

TEST RESULT

Charger detail :

Brand : Model :  
Rated : Firmware version :  
Changepoint ID : Connector ID : of 2 Connector type :

NO.	Message	MEA OCPP Sever Required	Result - Remark	Verdict
1	<b>Normal operating Condition</b>			
1.1	BootNotification	Include : chargePointModel, chargePointVendor, firmwareVersion		
1.2	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...]), errorCode, status, timestamp, vendorId		
1.3	StatusNotification (Plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
1.4	Authorize (Valid Card)	Include : IdTag (Accepted)		
1.5	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
1.6	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
1.7	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
1.8	StopTransaction (Valid Card)	Include : idTag, meterStop, timestamp, transactionId		
1.9	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
1.10	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
1.11	StatusNotification (Plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		

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1.12	RemoteStartTransaction	Include : status (Accepted)		
1.13	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
1.14	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
1.15	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
1.16	RemoteStopTransaction	Include : status		
1.17	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
1.18	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
1.19	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
<b>2</b>	<b>Reset Function</b>			
2.1	Reset (Hard)	Include : status		
2.2	BootNotification	Include : chargePointModel, chargePointVendor, firmwareVersion		
2.3	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...]), errorCode, status, timestamp, vendorId		
2.4	StatusNotification (Plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
2.5	RemoteStartTransaction	Include : status (Accepted)		
2.6	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
2.7	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		

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2.8	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
2.9	Reset (Soft)	Include : status		
2.10	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
2.11	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
2.12	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
2.13	StatusNotification (Plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
2.14	RemoteStartTransaction	Include : status (Accepted)		
2.15	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
2.16	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
2.17	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
2.18	Reset (Hard)	Include : status		
2.19	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
2.20	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		

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2.21	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
<b>3</b>	<b>Reserve Function</b>			
3.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.2	ReserveNow	Include : status		
3.3	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.4	CancelReservation	Include : status		
3.5	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.6	ReserveNow (1 min)	Include : status		
3.7	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.8	StatusNotification (Unplug) (Timeout)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.9	ReserveNow	Include : status		
3.10	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.11	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.12	RemoteStartTransaction	Include : status (Accepted)		
3.13	StartTransaction	Include : connectorId, idTag, meterStart, timestamp, reservId		
3.14	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		

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3.15	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
3.16	RemoteStopTransaction	Include : status		
3.17	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
3.18	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.19	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
<b>4</b>	<b>Set Charging Profile Function</b>			
4.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.2	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.3	Authorize (Valid Card)	Include : IdTag (Accepted)		
4.4	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
4.5	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.6	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
4.7	SetChargingProfile	Include : status		

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4.8	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
4.9	SetChargingProfile	Include : status		
4.10	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
4.11	StopTransaction (Valid Card)	Include : idTag, meterStop, timestamp, transactionId		
4.12	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.13	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.14	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.15	RemoteStartTransaction	Include : status (Accepted)		
4.16	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
4.17	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.18	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
4.19	SetChargingProfile	Include : status		

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4.20	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
4.21	SetChargingProfile	Include : status		
4.22	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
4.23	RemoteStopTransaction	Include : status		
4.24	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
4.25	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.26	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
<b>5</b>	<b>Auto Charging Function</b>			
5.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
5.2	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
5.3	Authorize (Auto Charge)	Include : IdTag (Accepted)		
5.4	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
5.5	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		

The test result does not concern any electrical system energization. The result in this Test Report relates only to the item tested and does not certify the quality of any products having same brand or trade mark sold in the market. This Test Report shall not be used for advertisement and shall not be reproduced except in full without the written approval of the testing laboratory.



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5.6	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
5.7	RemoteStopTransaction	Include : status		
5.8	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
5.9	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
5.10	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
<b>6</b>	<b>Abnormal operating Condition</b>			
<b>6.1</b>	<b>Remote Start (Unplug)</b>			
6.1.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.1.2	RemoteStartTransaction	Include : status (Rejected)		
<b>6.2</b>	<b>Invalid Card</b>			
6.2.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.2.2	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.2.3	Authorize (invalid Card)	Include : IdTag		
6.2.4	Authorize (Valid Card)	Include : IdTag		
6.2.5	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
6.2.6	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		

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6.2.7	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
6.2.8	Authorize (invalid Card)			
6.2.9	StopTransaction (Valid Card)	Include : idTag, meterStop, timestamp, transactionId		
6.2.10	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.2.11	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
<b>6.3</b>	<b>Power outage condition</b>			
6.3.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.3.2	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.3.3	RemoteStartTransaction	Include : status (Accepted)		
6.3.4	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
6.3.5	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.3.6	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
6.3.7	StopTransaction (Power off)	Include : idTag, meterStop, timestamp, transactionId		
6.3.8	BootNotification	Include : chargePointModel, chargePointVendor, firmwareVersion		

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6.3.9	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...]), errorCode, status, timestamp, vendorId		
6.3.10	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
<b>6.4</b>	<b>Reservation for unavailable unit</b>			
6.4.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.4.2	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.4.3	ReserveNow	Include : status (Reject)		
6.4.4	RemoteStartTransaction	Include : status (Accepted)		
6.4.5	StartTransaction	Include : connectorId, idTag, meterStart, timestamp, reservid		
6.4.6	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.4.7	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
6.4.8	ReserveNow	Include : status (Reject)		
6.4.9	RemoteStopTransaction	Include : status		
6.4.10	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
6.4.11	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.4.12	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		

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6.5	Fault condition			
6.5.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.5.2	StatusNotification (Open the door)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status (Faulted), timestamp, vendorId		
6.5.3	StatusNotification (Close the door)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		

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7.	<b>Summary</b>			
7.1	Authorize	Include : IdTag (Accepted)		
7.2	BootNotification	Include : chargePointModel, chargePointVendor, firmwareVersion		
7.3	DataTransfer			
7.4	Heartbeat (Interval 60 min)	Include :		
7.5	MeterValues (Interval 1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
7.6	RemoteStartTransaction	Include : status (Accepted or Rejected (if Unplug))		
7.7	RemoteStopTransaction	Include : status		
7.8	Reset	Include : status		
7.9	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
7.10	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
7.11	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
7.12	CancelReservation	Include : status		
7.13	ReserveNow	Include : status		
7.14	SetChargingProfile	Include : status		
7.15	Auto Charge	Include : IdTag (Accepted)		
8.	<b>Other condition</b>			
8.1	LAN Disconnected	Handshaking in                      min (< 1 min)		
8.2	Server Disconnected	Time / Hour, Handshaking in                      min (< 1 min)		

\*\*\*\*End of test report\*\*\*\*

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