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UON SMART™ DC-FC

Integrated DC Fast Charging System
for Harsh Australian Conditions



UON®

TECHNICAL SPECIFICATIONS

System Application	
Augmentation	ON GRID, OFF GRID, GRID CONSTRAINT
Control	Local, remote
Energy Source	ESS, PV, grid, generator
Supply	AC or DC
Vehicle Suitability	All vehicles, plant & equipment fitted with CCS2
IP	65
IK	10
Efficiency	> 97 %
Noise	< 60 dB
Nameplate Discharge Rating	-20 to +45°C
Environmental Temperature	60C
Certification	CE/RED, EN61000-6-3/EN61000-6-1, Class A: EN61851-1/EN61851-23/EN 61851-24, AS 3000, AS 3008, AS 4777
DC Distribution Cabinet	
Voltage Supply, AC	415 VAC +/-15 %, 50 Hz, 3P+N+E
Voltage Supply, DC	300 – 900 VDC
Power Options	200, 400, 600, 800 kW DC
Output	DC (Fast Charging)
Output Voltage	150 – 1000 VDC
Cooling	Liquid Cooled & Air
Dimensions (w x h x d)	2000 x 2200 x 850mm
Weight	1400 kg (max)
Charge Dispenser	
Dispenser Type	Single (1 gun) or double (2 gun)
Max Installable Guns	12 (Typical installation consists of 2 guns minimum. Single gun can be provided upon request.)
Cooling	Air
Charge Protection	Over current, short circuit, over voltage, temperature protection, insulation breakdown
Interface	7" capacitive LCD touch HMI
Dimensions (w x h x d)	600 x 1800 x 260mm
Weight	200 kg
Skid Base	
Dimensions (w x h x d)	6058 x 351 x 2438mm
Weight	2500 kg
Canopy	
Dimensions (w x h x d)	6058 x 2712 x 2490mm
Weight	2500 kg
Gun Selection	
Gun Type	CCS2
Gun Output	500, 375 or 250 A
Cable Length	5m
Gun Cooling	Liquid Cooled
Charging Capability	
Simultaneous Charging	YES (12 individual sessions)
Parallel Charging	YES (12 Guns to 1 vehicle max)
Charge Characteristic	Dynamic charging, static charge limiting, gun prioritization, user prioritization, scheduling power limits & more
Station Use	Open, RFID, Pay-2-Use, QR code
Billing Mode	Free, flat rate, charge time, energy consumed, charge energy, scheduled, user defined, system specific & more.