

FEATURES OF DURATHON SMC BATTERY

- Intrinsic Safe
- Zero Hydrogen gas release
- Zero fire risk
- No HVAC room required
- Over charge and Over Discharge protection
- Inner Short Circuit Proof
- Build in with internal Battery Monitoring System
- 100 % Recyclable (Salt Battery)
- Best Operating used at Harsh Environment
- Long life 20 years
- More than 6000 charge and discharge cycle
- Small Footprint
- Low OPEX
- High Operating Temperature -40 ~ 65 C degree
- Communication RS-485 / TCPIP / CAN

COMPLIANCE STANDARD

- IEC 62984
- CE Compliance
- IEC 61000-6-1:2019
- TLC: China
- UL9540A
- UL1973

APPLICATION OF DURATHON SMC BATTERY



Power Grid



Telecom



Data Center



Residential ESS



Industrial ESS



Marine



Railway Signal



Oil and Gas



Specialized Vehicles



SCAN HERE FOR MORE DETAIL
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MODEL	E245-T	E303-T	E4810-T	E4815-T	E1109-T	E12510-T	E13011-T	E2209-T	E25010-T
Usable Capacity	205Ah (5.25kWh)	80Ah (2.2kWh)	205Ah (10kWh)	246Ah (13kWh)	82Ah (9kWh)	82Ah (10kWh)	82Ah (10.2kWh)	41Ah (9kWh)	41Ah (10kWh)
Charging Voltage	27 to 30Vdc	33 to 40Vdc	44 to 53.4Vdc	46 to 56Vdc	120 to 160Vdc	136 to 160Vdc	141 to 160Vdc	240 to 300Vdc	272 to 300Vdc
Rated Voltage	24V	30V	48Vdc	48Vdc	110V	125V	130V	220V	250V
Maximum Charge Current	40A	16A	80A	100A	16A	16A	16A	8A	8A
Operating Temperature	-40 to 65°C	-40 to 65°C	-40 to 65°C	-40 to 65°C	-40 to 65°C	-40 to 65°C	-40 to 65°C	-40 to 65°C	-40 to 65°C
Operating Environment Humidity	< 95%RH (no condensation)	< 95%RH (no condensation)	< 95%RH (no condensation)	< 95%RH (no condensation)	< 95%RH (no condensation)	< 95%RH (no condensation)	< 95%RH (no condensation)	< 95%RH (no condensation)	< 95%RH (no condensation)
Commissioning Time	<16h	<16h	<16h	<16h	<16h	<16h	<16h	<16h	<16h
Charging Time from 0% to 100%SOC	<13h	<13h	<16h	<16h	<13h	<13h	<13h	<13h	<13h
Charging Time from 0% to 90%SOC	<8h	<8h	<16h	<16h	<8h	<8h	<8h	<8h	<8h
Heat Loss	<120W	<90W	<140W	<140W	<120W	<125W	<130W	<120W	<125W
Module Configuration	10S5P	12S2P	20S5P	21S6P	44S2P	50S2P	52S2P	88S1P	100S1P
Dimension	353*505*506mm	353*356*506mm	374*654*520mm	303*637*511mm	353*556*506mm	353*631*506mm	353*631*506mm	353*556*506mm	353*631*506mm
Weight	70 ± 2kg	51 ± 2kg	122 ± 2kg	145 ± 2kg	117 ± 2kg	127 ± 2kg	130 ± 2kg	117 ± 2kg	127 ± 2kg

MODEL	UP240-T	UP360-T	UP400-T	UP480-T
Module Usable Capacity	41Ah (5.5kWh)	41Ah (5.5kWh)	41Ah (8.25kWh)	41Ah (10.58kWh)
Module Rated Voltage	120V	120V	201.2V	258V
Module Operating Voltage	93.6 to 138.8Vdc	93.6 to 138.8Vdc	140.4 to 208.3Vdc	180 to 267Vdc
Module Configuration	52S1P	52S1P	78S1P	100S1P
Module Dimension	369*494*356mm	369*494*356mm	353*556*506mm	353*633*506mm
Module Weight	70 ± 2kg	70 ± 2kg	115 ± 2kg	127 ± 2kg
System Configuration	2S2P	3S1P	2S1P	2S1P
System Rated Capacity	82Ah (22kWh)	41Ah (16.5kWh)	41Ah (16.5kWh)	41Ah (21.16kWh)
System Nominal Voltage	240V	360V	400V	480V
System Operating Voltage	187 to 278Vdc	280 to 416Vdc	280.8V to 416.5Vdc	360 to 534Vdc
System Maximum Charge Current	16A	8A	8A	8A
Maximum Discharge Current (1h)	60A	30A	30A	30A
Maximum Discharge Current (1min)	120A	60A	60A	60A
Operating Temperature	-20°C to 65°C	-20°C to 65°C	-20°C to 65°C	-20°C to 65°C
Operating Environment Humidity	< 95%RH (no condensation)	< 95%RH (no condensation)	< 95%RH (no condensation)	< 95%RH (no condensation)