

POWERBOX RM18



BASIC BATTERY DATA	
Battery Type	Li-ion (LFP)
Nominal Capacity (kWh)	17.8
Usable Capacity (kWh)	16.91
Dimensions (W × D × H mm)	785 × 450 × 260
Weight (kg)	130
Depth of Discharge	95%
Efficiency	adaptive one way efficiency integrated model
Communication port	CAN
Single String Quantity (pcs)	48
Balance Current per Cell (mA)	900
Short circuit protection (A)	500 (external fuse)

CHARGE / DISCHARGE (A)	
Normal	175
Max	176-300 @ 20 min
Peak	301-350 @ 20 sec

ENVIRONMENT & LIFETIME	
Storage Temperature (°C)	-20~45
Cooling	Smart Fan Cooling
IP rating	IP20
Humidity (RH)	5%-95% No Condensation
Design life (@ 25°C/0.5C)	15+ years
Cycle life (@ 25°C/0.5C)	>6000

WORKING TEMPERATURE	
Charge	T<0°C: 0A, 0°C<T<10°C: 70A, 10°C<T<15°C: 105A, 15°C<T<25°C: 175A, 25°C<T<35°C: 350A, 35°C<T<50°C: 175A, T>50°C: 0A
Discharge	-10°C<T<0°C: 70A, 0°C<T<15°C: 175A, 15°C<T<40°C: 350A, 40°C<T<50°C: 175A, T>50°C: 0A