

LITHIUM IRON PHOSPHATE (LiFePO4) BATTERIES

5-20kWh FLOOR STANDING TOWER

	FC-51.2V100AH	FC-51.2V200AH	FC-51.2V300AH	FC-51.2V400AH
No. of Battery Modules	1	2	3	4
Normal Capacity(25°C, 0.2C)	100Ah (5.12KWh)	200Ah (10.24KWh)	300Ah (15.36KWh)	400Ah (20.48KWh)
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Voltage Range (Vdc)	44.8 ~ 58.4V	44.8 ~ 58.4V	44.8 ~ 58.4V	44.8 ~ 58.4V
Float Charge Voltage(Vdc)	55.2V	56.0V	56.0V	56.0V
Max.continuous discharge current	100A	200A	300A	400A
Max.pulse discharge current (A)	150A 1Sec.	300A 1Sec.	450A 1Sec.	600A 1Sec.
Max.continuous charge current (A)	50A	100A	150A	200A
Cycle life(+25C 0.2C 100%DOD)	>6000 Cycles	>6000 Cycles	>6000 Cycles	>6000 Cycles
Terminal	Double M8	Double M8	Double M8	Double M8
Cell brand	CATL or BAK (BAK for IP 65 design only)			
IP degree	IP20, IP 65 (Optional)			
Storage temperature	0C~ 30C		Storage duration	6 months at 25C
Safety standard	UN38.3,MSDS,CE		Communication	RS485/CAN
Inverter brands:	Deye, Growatt, Voltronic, Goodwe, Victron, Pylontech, SMA, Sofar, Solis			
Protection	Over-charge protection Over-discharge protection Over-current protection Short-circuit protection Over-temperature protection			
Noise(dB)	< 40dB (1 meter)			
Working Temperature	-10C~ +50C,	Humidity 0~95% (no condensation)		Altitude (m) <1500

DIMENSIONS (Following data is for 1pc*51.2V100AH module only)

L*W*H (products size) mm	(IP20): 830*445*192	(IP65):870*454*192
L*W*H (package size) mm	(IP20): 882*489*249	(IP65):927*502*254
Weight(NW Kg)	(IP20): 58KGS	(IP65):59KGS
Weight(GW Kg)	(IP20): 60KGS	(IP65):61KGS

