

DATA CENTER ENERGY STORAGE

60+ MIN 1 C SERIES



- Higher safety and stability lithium iron phosphate battery, no fire caused by thermal runaway.
- Pre installed battery system, modular standard design, rapid deployment on site, easy operation and maintenance.
- Long cycle life, 4000 times @ 0.5 C / 0.5 C @ 80 % DOD @ 25 °C.
- Supporting HVDC, UPS system, and compatible with UPS system N line.
- Touch LCD to display various parameters, record and status visually.
- Supports multiple groups in parallel, and supports uninterrupted power maintenance when multiple clusters are used in parallel.
- Three level BMS management, multi-level protection, automatic isolation in the event of anomalies to ensure normal power supply to the system.
- High energy density, saving 70 % compared to lead-acid battery.
- Optional non-electric self-starting cabinet-level fire protection system. Accurate and rapid fire extinguishing.
- Natural heat dissipation design, saving energy.



Parameters/model		CF 19250 U	CF 38450 U
General parameters	Cell material	LFP	LFP
	Nominal voltage	192 Vdc	384 Vdc
	Standard charge current	210 Vdc	420 Vdc
	Standard capacity	50 Ah / 9.6 kWh	50 Ah / 19.2 kWh
	Self-discharge rate	≤ 3 % (0 ~ 30 °C / 3 months)	≤ 3 % (0 ~ 30 °C / 3 months)
	Standard discharge current	25 A continuous discharge (0.5 C)	25 A continuous discharge (0.5 C)
	Maximum discharge current	50 A continuous discharge (1 C)	50 A continuous discharge (1 C)
	Standard charge current	12.5 A (0.25 C)	12.5 A (0.25 C)
	Maximum charge current	25 A (0.5 C)	25 A (0.25 C)
Cell	Nominal capacity	50 Ah	50 Ah
	Nominal voltage	3.2 Vdc	3.2 Vdc
	Operating voltage range	2.5 ~ 3.6 Vdc	2.5 ~ 3.6 Vdc
	Weight	1.22 kg	1.22 kg
Battery module	Configuration	1P15S	1P15S
	Nominal capacity	50 Ah	50 Ah
	Nominal voltage	48 Vdc	48 Vdc
	Operating voltage range	42 ~ 52.5 Vdc	42 ~ 52.5 Vdc
	Weight	26 kg	26 kg
Cluster	Configuration	1P60S	1P120S
	Nominal capacity	50 Ah	50 Ah
	Nominal voltage	192 Vdc	384 Vdc
	Operating voltage range	168 ~ 210 Vdc	336 ~ 420 Vdc
	Weight	170 kg	320 kg