

DATA CENTER ENERGY STORAGE

5 – 15 MIN 6 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 48050 U	CF 51250 U	CF 24050 U
General parameters	Cell material	LFP	LFP	LFP
	Nominal voltage	480 Vdc	512 Vdc	240 Vdc
	Standard charge current	525 Vdc	560 Vdc	262.5 Vdc
	Standard capacity	50 Ah / 24 kWh	50 Ah / 25.6 kWh	50 Ah / 12 kWh
	Self-discharge rate	≤ 3 % (0 ~ 30 °C / 3 months)	≤ 3 % (0 ~ 30 °C / 3 months)	≤ 3 % (0 ~ 30 °C / 3 months)
	Standard discharge current	50 A continuous discharge (1 C)	50 A continuous discharge (1 C)	50 A continuous discharge (1 C)
	Maximum discharge current	300 A continuous discharge (6 C)	300 A continuous discharge (6 C)	300 A continuous discharge (6 C)
	Standard charge current	25 A (0.5 C)	25 A (0.5 C)	25 A (0.5 C)
	Maximum charge current	50 A (1 C)	50 A (1 C)	50 A (1 C)
Cell	Nominal capacity	50 Ah	50 Ah	50 Ah
	Nominal voltage	3.2 Vdc	3.2 Vdc	3.2 Vdc
	Operating voltage range	2.5 ~ 3.6 Vdc	2.5 ~ 3.6 Vdc	2.5 ~ 3.6 Vdc
	Weight	1.455 kg	1.455 kg	1.455 kg
Battery module	Configuration	1P15S	1P16S	1P15S
	Nominal capacity	50 Ah	50 Ah	50 Ah
	Nominal voltage	48 Vdc	48 Vdc	48 Vdc
	Operating voltage range	42 ~ 52.5 Vdc	42 ~ 52.5 Vdc	42 ~ 52.5 Vdc
	Weight	31 kg	31 kg	31 kg
Cluster	Configuration	1P150S	1P160S	1P75S
	Nominal capacity	50 Ah	50 Ah	50 Ah
	Nominal voltage	480 Vdc	512 Vdc	240 Vdc
	Operating voltage range	420 ~ 525 Vdc	448 ~ 560 Vdc	210 ~ 262.5 Vdc
	Weight	430 kg	450 kg	210 kg