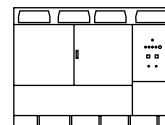

Modularity.
Easy maintenance.
Advanced grid support.
Compatible with all battery technologies.





690 V				660 V			645 V			630 V					
FRAME	2	3	4	2	3	4	2	3	4	2	3	4			
REF.	FP2195K	FP3290K	FP4390K	FP2101K	FP3151K	FP4200K	FP2055K	FP3080K	FP4105K	FP2005K	FP3005K	FP4010K			
AC	AC Output Power (kVA/kW) @40 °C [5]	2195	3290	4390	2100	3150	4200	2055	3080	4105	2005	3005	4010		
	AC Output Power (kVA/kW) @50 °C [5]	2035	3055	4075	1950	2925	3900	1905	2855	3810	1860	2790	3720		
DC	Operating Grid Voltage (VAC)	690 V ±10%			660 V ±10%			645 V ±10%			630 V ±10%				
	DC Voltage Range [6]	976 V - 1500 V			934 V - 1500 V			913 V - 1500 V			891 V - 1500 V				
	Maximum DC Voltage	1500 V			1500 V			1500 V			1500 V				
EFFICIENCY	Efficiency (Max) (η)	98.84%	98.87%	98.94%	98.86%	98.89%	98.95%	98.85%	98.88%	98.81%	98.79%	98.82%	98.88%		
	Euroeta (η)	98.34%	98.49%	98.51%	98.36%	98.51%	98.53%	98.24%	98.39%	98.41%	98.28%	98.43%	98.45%		
615 V			600 V			530 V			500 V			480 V			
FRAME	2	3	4	2	3	4	2	3	4	2	3	4	2	3	4
REF.	FP1955K	FP2935K	FP3915K	FP1910K	FP2865K	FP3820K	FP1685K	FP2530K	FP3370K	FP1590K	FP2385K	FP3180K	FP1525K	FP2290K	FP3055K
AC	1955	2935	3915	1910	2865	3820	1685	2530	3370	1590	2385	3180	1525	2290	3055
	1815	2725	3635	1775	2660	3545	1565	2350	3130	1475	2215	2955	1415	2125	2840
	615 V ±10%			600 V ±10%			530 V ±10%			500 V ±10%			480V ±10%		
DC	870 V - 1500 V			849 V - 1500 V			750 V - 1500 V			708 V - 1500 V			679 V - 1500 V		
	1500 V			1500 V			1500 V			1500 V			1500 V		
EFFICIENCY	98.75%	98.78%	98.77%	98.82%	98.85%	98.78%	98.78% (preliminary)			98.78% (preliminary)			98.78% (preliminary)		
	98.20%	98.35%	98.37%	98.18%	98.33%	98.35%	98.35% (preliminary)			98.35% (preliminary)			98.35% (preliminary)		
COMMON FEATURES							FRAME 2			FRAME 3			FRAME 4		
AC	Max. AC Output Current (A) @40 °C						1837			2756			3674		
	Operating Grid Frequency (Hz)						50/60 Hz								
	Current Harmonic Distortion (THDi)						<3% per IEEE519								
	Power Factor (CosPhi) [1]						0.5 leading ... 0.5 lagging								
	Reactive Power Compensation						Four quadrant operation								
	Overload Capability [7]						166% - 100 ms / 150% - 5 s / 120% - 8 s / 110% - 15 s								
DC	DC Voltage Ripple						<3%								
	Max. DC Continuous Current (A)						2295			3443			4590		
	Max. DC Short Circuit Current (kA)						500 kA with a time constant of 1 ms								
	Battery Technology						All type of batteries (BMS required)								
CABINET	Dimensions [WxDxH] (ft)						9.8 x 6.5 x 7.5								
	Dimensions [WxDxH] (m)						3.0 x 2.0 x 2.3								
	Weight (lbs)						8600			9700			10365		
	Weight (kg)						3900			4400			4700		
	Type of Ventilation						Forced air cooling								
ENVIRONMENT	Degree of Protection						NEMA 3R / IP55								
	Operating Temperature Range [2]						From -40 °C to +60 °C, >40 °C power derating								
	Operating Relative Humidity Range						From 4% to 100%								
	Storage Temperature Range						From -40 °C to +60 °C								
	Max. Altitude (above sea level)						2000 m / >2000 m power derating (Max. 4000 m)								
CONTROL	Communication Protocol						Modbus TCP								
	Power Plant Controller						Optional. Third party SCADA systems supported.								
	Keyed ON/OFF Switch						Standard								
PROTECTIONS	Ground Fault Protection						Insulation monitoring device								
	Humidity Control						Active heating								
	General AC Protection & Disconn.						Circuit breaker								
	General DC Protection & Disconn. [3]						High-speed fuses, Motorized DC disconnect switches								
	Overvoltage Protection						Type II for AC and Type I+II for DC								
STANDARDS	Safety						UL 1741 / CSA 22.2 No.107.1-16 / IEC 62109-1 / IEC 62109-2 / IEC 62477-1								
	Installation						NEC 2023								
	Utility Interconnect [4]						IEEE 1547:2018 / UL 1741 SA & SB/ IEC 62116:2014								

NOTES

[1] Consult P-Q charts available: $Q(kVA) = \sqrt{(S(kVA))^2 - P(kW)^2}$.

[2] Optional available for temperatures below -25 °C.

[3] Battery short circuit disconnection has to be done on the battery side.

[4] Consult Power Electronics for other applicable standards/grid codes.

[5] Values at 1.00-Vac nom and CosPhi=1. The maximum AC output power must be limited to meet the P-Q capability requirement at the inverter level of some grid codes. Consult Power Electronics for derating curves.

[6] Consult Power Electronics for derating curves. In the event of overvoltage in the grid, the minimum DC voltage will vary proportionally with the AC voltage.

[7] Available from January 2027.