

625kW Prefabricated Data Center Power Module

Data Sheet

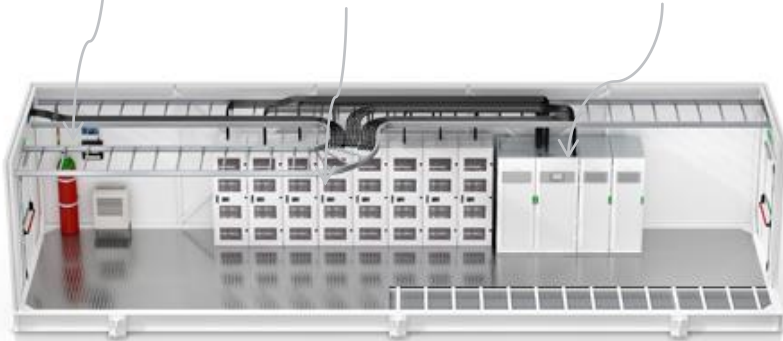
Schneider Electric offers scalable, easy-to-deploy, Prefabricated Data Center Modules.



Fire Suppression Tank

Battery Cabinets

Galaxy VX
625kW UPS



Supply and Return
Dampers for Wall
Mount Coolers

Communication /
Network Equipment rack

Output
Switchboard

Input
Switchboard
with ATS
Controller

House Load
Panelboard



General	PFMPE0626EB-VX
Total Power Capacity Primary Bus /Critical Bus	Up to 1100kW Continuous Up to 625kW UPS
ATS	1600A 4 Pole Open Transitions
UPS Topology	High Efficiency, Scalable, Double Conversion Online
Efficiency at 100% Load	Up to 94%
Input	
Input Power Voltage (Nominal)	400V AC
Grid System	3 phases + N + PE (5 Wire), TNS
Voltage range	-15% / +20% @
Frequency (Nom)	50 Hz
Maximum Input Current	1600A @ 400V
Power Factor	>.99% @ Full Load (UPS)
ITHD	< 3% at Full Load (UPS)
Output	
Voltage	400V AC
Grid System	3 phases + N + PE (5 Wire)
Voltage Regulation	<2% from 0 - 100% linear load <6% full non-linear load per IEC/EN62040-3
Output Current Rating	Primary Bus 1600A Continuous Critical Bus 1000A Continuous
Battery System	
Battery Type	VRLA – Long Life Battery Modules Optional: Lithium Ion Battery Modules
Estimated Runtime	VRLA: 5 to 6 mins @ Full Load Li-Ion: Up to 25 minutes @ Full Load
Cooling	
Cooling Redundancy	N+1
Sensible Cooling	47.4W (N+1) @35° C (External Ambient)
Sensible Heat Ratio (SHR)	0.92
External Temperature for Total Free Cooling	14° C
Refrigerant	R407C
Physical	
Length	13716mm
Width	3564mm/ (3200 installed)
Height	3614mm
Est. Weight	Operational: Up to 40,000kG (VRLA) Operational: Up to 33,000kG (Li-Ion)
Stacking Containers	Custom only
Environmental (external)	
Operating min/max temp.	-20° to 45° C (Recommended battery temperature 25° C)
Operating humidity range	0-100%
Operating Altitude	0 – 999.9m
Audible Noise (pressure)	74 dB(A) @ 1m from surface of unit
Main Options	Dual feed Input (UPS) EcoStruxure IT and/or Building Load Bank Connection Breaker Output tie breaker Additional output distribution
Additional Features	ATS controller, Integrated Power Management System, Physical Threat Detection system, Fire Suppression System, Lighting