

701IE4 with Battery Cabinet Outdoor

230VAC / 48VDC X 5 Nos



KEY FEATURES

- The installation space and cost can be saved due to its embedded installation.
- Wide Input voltage range (90-300Vac), strong ability in adopting power grid.
- Rectifier working Temp. range: -40°C to 75°C.
- Efficiency of the rectifier is 95% peak, efficiency of the system is 94%.
- Intelligent battery management system, which prolongs the working life of the battery.
- Provide multiple communication ports such as Ethernet port, dry Contacts, Modem (optional) etc for flexible networking to achieve remote monitoring

In addition to reducing power consumption and lowering operating cost, VERTIV compact 701IE4 with embedded battery Rack Space in Outdoor Cabinet offer superior performance and uncompromised reliability.

DESCRIPTION

VERTIV fully integrated DC Power System consisting of 3200W \ 4000W X 5 Nos, M530B Controller and Battery Rack Space that provides maximum efficiency for TELECOM application such as Base Station, Roof Top Installation. It is designed to meet the high efficiency demands of TELECOM with High reliability, High Power density, and fully digital features.

APPLICATION

- Telecom
- Data Centre
- Hosting
- Colocation
- Power Utilities



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TECHNICAL SPECIFICATION

SYSTEM CONFIGURATION

System Capacity	16KW (3200 W X 5 Nos)
Controller	M530B
Rectifier	Max 5 X 3200W
IP	IP55
Sensor	Smoke, Door, Temperature
Lightning Protection	Class C

AC INPUT

Nominal Voltage	230V / 240V 1P
Voltage Range (AC)	90V – 300V
Power Factor	>99%
Frequency Range	45Hz – 65 Hz

DC OUTPUT

Nominal Output V	-53.5V
Output Voltage	-42V to -58V
Output Current	Max 333A DC

DISTRIBUTION

AC Input	63A / 4P X 1
RM Input Protection	25A / 1P X 5
Battery Capture	125A / 1P X 4
DC Distribution PL	16A/1P X 4; 10A/1P X 4; 6A/1P X 3
DC Distribution NPL	63A/1P X 5; 32A/1P X 4



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TECHNICAL SPECIFICATION



RECTIFIER	
Configuration	Model
Efficient Module	R48-3000e2
Electrical Parameter	Description
Input Voltage	85V AC – 300V AC
Power Factor	≥ 0.99
Efficiency	95% peak
Max Input Current	22A
Nominal Out Voltage	-53.5V DC
Output Voltage	-42V DC to -58V DC

CONTROLLER	M530B
Display	128 x 160 Pixels TFT LCD
Communication	RS 485, RS 232, 10/100Mbps Ethernet, IPV4 & IPV6, CAN
Protocol	HTTP, SNMP, YDN23
Input Analog	3 battery currents, 1 bus voltage, 3 AC voltages, 3 AC currents, 9 battery symmetry, 1 DC energy meter-voltage*, 3 DC energy meter -current*
Input Digital	20 load Fuses, 4 battery Fuses, 1 SPD alarm
Outputs	2 Mono Contactors
Energy Measurement	Inbuilt 4 channel DCEM
Solar Hybrid Functionality	Compatible for 2kW & 3kW MPPT, Interfacing capability with 10 MPPTs
Li-ion Battery Compatibility	Li-ion battery monitoring & control combo interface

MECHANICAL PARAMETER		
DIMENSION	System (W X D X H) in mm	700 X 700 X 2250
	Battery Module (W X D X H) in mm	125 X 528 X 318
Weight	Approx. 210 Kg excluding Battery and Rectifier Modules	

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