

ICT products face the challenge of sustained and stable operation amid grid resilience issues recently. Frequent power outages and blackouts, sometimes affecting multiple areas, are common and can lead to large-scale disruptions. UPS is commonly used by IT managers to address grid resilience issues but UPS selecting is an issue for IT managers especially to IT equipment is commonly used in worldwide.

By integrating a switched mode power supply with a battery backup unit into one product, we can replace UPS systems, optimizing power and energy conversion efficiency. EnerXCube series is the best choice for your IT equipment by solving power supply with UPS at the same time.



EnerXCube 400-M

Input Voltage Range						0Vac ~ 264Vac							
Input Frequency Range				47Hz ~ 63Hz									
Input Current ≤ 8.0A @100Vac & Full					l Load / ≤ 4.0A @240Vac & Full Load								
.5\/	±12\/	-12V +5Vsb	ı EVab	USB PD									
+50	+12V		+3750	5V	9V	12V	15V	20V					
18A	33A	0.3A	3A	2A	2A	3A	ЗА	3.25A					
0A	0A	0A	0A	0A									
±5%	±5% ±5% ±10% ±5% ±5%												
/ 50 mV 120 mV 120 mV 50 mV 380mV													
400W													
190 x 150 x 86 (mm)													
80 Plus Bronze Efficiency													
≥ 12 ms (W/O BAT Backup)													
26650 (6S2P) / 153.6Wh													
≥ 20 Min @ Full Load													
Over Voltage / Over Current / Over Temperature / Short Circuit / Battery Management													
	IEC 62368-1												
E	EN 55032	2 Class B	/ EN 550	035 / IEC	61000-3	3-X / FCC	Part 15						
MSDS Type UN 38.3													
Communication RS-232													
Working Temperature 0°C to 40°C													
e -10°C to + 55°C													
		~	90% RH	non-con	densing								
		5,0	100 metei	rs above	sea leve	el							
	+5V 18A 0A ±5% 50 mV		+5V +12V -12V 18A 33A 0.3A 0A 0A 0A ±5% ±5% ±10% 50 mV 120 mV 120 mV Over Voltage / Over EN 55032 Class B	e	e 47Hz ~ 6 ≤ 8.0A @100Vac & Full Load / ≤ 18A 33A 0.3A 3A 2A 0A 0A 0A 0A 0A ±5% ±5% ±10% ±5% 50 mV 120 mV 120 mV 50 mV 400W 190 x 150 x 86 (80 Plus Bronze Effective Section of Section Secti	\$8.0A @100Vac & Full Load / ≤ 4.0A @100Vac & Full Load / ≤ 5%	e 47Hz ~ 63Hz ≤ 8.0A @100Vac & Full Load / ≤ 4.0A @240Vac & Full Load / ≤ 5V 9V 12V 12V 12V 12V 12V 12V 12V 12V 12V 12	e 47Hz ~ 63Hz ≤ 8.0A @100Vac & Full Load / ≤ 4.0A @240Vac & Full Load +5V					

 $^{^{\}star}1$ Please note that the backup time specification at full load is based on 100% battery SOC.

 $[\]ensuremath{^{\star}2}$ Please note that FSP has the right to change this specification without notices.



EnerXCube 450-M

Eller Acube 43	141										
Input Voltage Range						0Vac ~ 264Vac					
Input Frequency Range						47Hz ~ 63Hz					
Input Current ≤ 8.0A @100Vac & Full					Load / ≤ 4.0A @240Vac & Full Load						
Outpute	. 2 2\/	+5V	+12V	-12V	+5Vsb	USB PD					
Outputs	+3.3V	+34	+120	-12V	+3750	5V	9V	12V	15V	20V	
Max	16A	18A	37.5A	0.3A	3A	2A	2A	3A	3A	3.25A	
Min.	0A	0A	0A	0A	0A	0A					
Regulation	±5%	±5% ±5% ±10% ±5% ±5%									
Ripple/Noise	50 mV	/ 50 mV 120 mV 120 mV 50 mV 380mV									
Total Wattage		450W									
Dimension		190 x 150 x 86 (mm)									
Efficiency	80 Plus Bronze Efficiency										
Hold-up time	≥ 12 ms (W/O BAT Backup)										
Battery			26650 (6S2P) / 153.6Wh								
Backup Time	≥ 18 Min @ Full Load										
Protection	Over Voltage / Over Current / Over Temperature / Short Circuit / Battery Management										
Safety					IEC	62368-	1				
EMC		EN 55032 Class B / EN 55035 / IEC 61000-3-X / FCC Part 15									
MSDS Type					Į	JN 38.3					
Communicatio	cation RS-232										
Working Tempera	ature 0°C to 40°C										
Storage Tempera	ture	-10°C to + 55°C									
Working Humid	ity			~	90% RH	non-con	densing				
Altitude 5,000 meters above sea level											

 $^{^{\}star}1$ Please note that the backup time specification at full load is based on 100% battery SOC.

^{*2} Please note that FSP has the right to change this specification without notices.



EnerXCube 500-M

Input Voltage Range						0Vac ~ 264Vac					
Input Frequenc	47Hz ~ 63Hz										
Input Curr		≤ 8.0A @100Vac & Full Load / ≤ 4.0A @240Vac & Full Load									
					+5Vsb	USB PD					
Outputs	+3.3V	+5V	+12V	-12V		5V	9V	12V	15V	20V	
Max	16A	18A	41.6A	0.3A	3A	2A	2A	3A	3A	3.25A	
Min.	0A	0A	0A	0A	0A	0A					
Regulation	±5%	±5%	±5%	±10%	±5%	±5%					
Ripple/Noise	50 mV	50 mV	120 mV	20 mV 120 mV 50 mV 380mV							
Total Wattage		500W									
Dimension		190 x 150 x 86 (mm)									
Efficiency	80 Plus Bronze Efficiency										
Hold-up time	≥ 12 ms (W/0 BAT Backup)										
Battery	26650 (6S2P) / 153.6Wh										
Backup Time					≥ 16 Mii	n @ Full	Load				
Protection	Over Voltage / Over Current / Over Temperature / Short Circuit / Battery Management										
Safety					IEC	C 62368-	1				
EMC		E	EN 55032	? Class B	/ EN 550	035 / IEC	61000-3	-X / FCC	Part 15		
MSDS Type					Į	JN 38.3					
Communicatio	n	RS-232									
Working Temperature 0°C to 40°C											
Storage Tempera	ture -10°C to + 55°C						Storage Temperature				
Working Humid	~ 90% RH non-condensing										
Altitude 5,000 meters above sea level											

 $^{^{\}star}1$ Please note that the backup time specification at full load is based on 100% battery SOC.

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EnerXCube 550-M

Input Voltage Range						0Vac ~ 264Vac					
Input Frequenc		47Hz ~ 63Hz									
Input Curr		≤ 8.0A @100Vac & Full Load / ≤ 4.0A @240Vac & Full Load									
					+5Vsb	USB PD					
Outputs	+3.3V	+5V	+12V	-12V		5V	9V	12V	15V	20V	
Max	16A	18A	45.8A	0.3A	3A	2A	2A	3A	3A	3.25A	
Min.	0A	0A	0A	0A	0A	0A					
Regulation	±5%	±5%	±5%	±10%	±5%	±5%					
Ripple/Noise	50 mV	50 mV	120 mV	120 mV	50 mV	380mV					
Total Wattage		550W									
Dimension		190 x 150 x 86 (mm)									
Efficiency	80 Plus Bronze Efficiency										
Hold-up time	≥ 12 ms (W/O BAT Backup)										
Battery	26650 (6S2P) / 153.6Wh										
Backup Time					≥ 14 Mii	n @ Full	Load				
Protection	Over Voltage / Over Current / Over Temperature / Short Circuit / Battery Management										
Safety					IEC	62368-	1				
EMC		E	EN 55032	? Class B	/ EN 550)35 / IEC	61000-3	-X / FCC	Part 15		
MSDS Type					l	JN 38.3					
Communicatio	Communication RS-232										
Working Temperature 0°C to 40°C											
Storage Tempera	age Temperature -10°C to + 55°C										
Working Humid	~ 90% RH non-condensing										
Altitude 5,000 meters above sea level							el				

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