















		Dlanning	Data
91PS 8-15 kW UPS	Site	Planning	Data

П										Product Sp	oecifications								
D	UPS Rating			3P Rectifier Input Breaker (RIB)			1P+Bolted N Bypass Input Breaker (BIB)			2P Inverter AC output Breaker MOB		Battery Breaker (BCB) (Ratings at the end of discharge, 1.67 V/cell)				For Single Unit Maintenance Bypass Switch (MBS)			
С			AC Input	Nominal Current	Maximum Current	Bypass AC Input		Maximum Current at 15% under voltage	Integrated Bypass Fuse	AC Output	Output Current	Inverter Short Circuit Current	Auxiliary Switches	Rating		Common Battery Configration (UPSBattery)	Trip Device (Shunt Trip)	-	Rating
	kVA	kW	V	А	А	V	А	А	Туре	V	А	A / 300 ms	Qty	VDC	А	А	VDC	Qty	А
	8	8	400	12	18	230	36	41	3 x 160FEE (parallel)	230	36	156	2	500	NA	63	24	1	36
	10	10	400	15	22	230	45	51	3 x 160FEE (parallel)	230	45	156	2	500	NA	63	24	1	45
	15	15	400	23	29	230	68	77	3 x 160FEE (parallel)	230	68	156	2	500	NA	63	24	1	68

				Minimum	recommended cab		Maximum conductor cross section		+			
	UPS RATING kW	Rectifier Cable [mm²]	Rectifier Fuse [A]	Bypass, output cable [mm²]	Bypass Fuse [A]	PE Cable [mm²]	POS. & NEG. Line [mm <sup>2</sup> ]	Battery Fuse [A]	Rectifier	Bypass/Output	EX. Battery	
E	8	2,5	20	10	50	10	1*16	63				F
	10	4	20	16	63	16	1*16	63	Solid/stranded wire: 16 mm <sup>2</sup>	Solid/stranded wire: 50 mm <sup>2</sup>	Solid/stranded wire: 25 mm <sup>2</sup>	
-	15	10	32	25	80	16	1*16	63		-	Stranded wire with ferrule: 16 mm <sup>2</sup>	ŀ
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Notes:

1. Rectifier AC input current calculations: Nominal - 100% load without charging; Maximum - 100% load with maximum charging (Rectifier current limit). 2. Inverter AC output current calculation: At 100% rated output load.

 The system must be installed on a level floor suitable for computer or electronic equipment.
 All wiring and installations must be in accordance with applicable National and Local Electric Regulations. 5. Rectifier AC input to UPS: (3) phases and (1) ground.

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Bypass AC input to UPS: (1) phase, (1) neutral, (1) ground.

AC output to load: (1) phase, (1) neutral, (1) ground.
DC input from battery to UPS: (1) positive, (1) negative, (1) ground.
6. All breakers should be adjusted according to the specified Ampere values to protect the UPS and installoperation. 7. For UPS installation that utilizes single feed input, The input breaker should be configured according to

8. Cable sizing is based on the standard IEC 60364-5-52 and IEC 60364-5-54. The sizing is for 70°C rated

9. Specifications are subject to change.

8	9	10	11	12

l rectifier	input cu	rrent.					
cables.		DIMENSIONS ARE IN MILLIMETERS AFTER	PLATING, DIMENSIO	NS AND TOLERANCES I	IN ACCORDANCE WITH ASME Y14.5M-1994. SEE N		
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		MODIFIED:				01	SCALE: N/A
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