

DSP Multipower Convertible Series



On-Line "Double Conversion" Technology 1 Phase in / 1 Phase out 5kVA to 10kVA, 3 Phase in / 1 Phase out 10kVA to 20 kVA (Tower & Rack Convertible)

- On-line 'double conversion' technology
- ➤ Real Digital Signal Processor (DSP) Controller
- Parallel redundant operation up to 4 units
- ► Input Power Factor Correction PFC
- ➤ High output power factor (PF : 0.9)
- Low total harmonic distortion (THD) level
- Convertible display helps to use both for tower and rack applications
- ➤ Transformerless Design
- Availability to configure as 50/60Hz Frequency Converter from LCD Panel
- ► High Performance with the PWM Sinewave Topology
- Cold Start Function
- Intelligent Battery Management System extends the life time of batteries
- ➤ Overload, Overheat & Short Circuit Protections
- ➤ User Friendly Multi-Functional LED/LCD Display Panel
- ➤ Energy Saving Mode (ECOMODE)
- Smart Fan Speed Regulation with temperature controlled
- ► RS232 Communication Port & Management Software
- Internal SNMP, DRY contact, RS485 card options



(Ups Looking Battery Cabinet)

DSP Multipower Convertible Series Technical Specifications

MODEL	DSPMP-1105	DSPMP-1106	DSPMP-1110	DSPMP-3110	DSPMP-3115	DSPMP-3120	
Power (kVA)	5	6	10	10	15	20	
ower (RW)	45	5.4	9	9	13.5	18	
NPUT	1,2	<u> </u>			13,3		
hase Configuration		1Ph + N + PE (Hardwire	1		3Ph + N + PE (Hardwire)	
lominal Voltage	22	OVAC/230VAC/240V	AC.	3	380VAC/400VAC/415VAC		
finimum Voltage (at Half load)	160VAC			277VAC			
finimum Voltage (at Full load)	180VAC				312VAC		
faximum Voltage	280VAC				485VAC		
requency		200 V/4C	/15-	65 Hz	403 VAC		
ower Factor		0.99	7.5		0.95		
UTPUT		0.77			0.75		
ower Factor	T			0.9			
nase Configuration							
ominal Voltage	1Ph + N + PE (Hardwire) 220VAC / 230VAC / 240VAC						
ave Form			220 VAC / 23	ine Wave			
			rule 5	3%			
otal Harmonic Distortion at 100% linear load							
at 100% non-linear load				5%			
requency				Hz (adjustable)			
equency Tolerance(free running)				0,1 %			
equency Synchronized Range				(selectable)			
atic Voltage Regulation (0%-100% load)				:1%			
est Factor				3			
ansfer Time	1			sec			
				@100%~120%			
verload				@120%~150%			
			Transfer to b	/pass (a) >150%			
otal Efficiency	up to	90%		:0 91%	up to	93%	
reenmode efficiency				97%			
utlets		External S	ocket Box (2 pcs SCHL	KO, 4 pcs IEC C13 Outle	ets) Optional		
ATTERY							
/pe			Maintenance-free	lead acid batteries			
echarge Time			4-6h u	p to 90%			
alta a a		246	W/DC		192VDC	for 16 pcs	
oltage	240VDC				240VDC for 20 pcs		
	30 13\/ Betteries				(20 pcs 12V	Batteries) or	
and the second second section is		20 pcs 12V Batteries					
luantity per string		20 pcs 12	V Batteries		(16 pcs 12V	Batteries)**	
	20 pcs 12V 4.5Ah (interi		V Balleries		(16 pcs 12V V/A	Batteries)**	
ternal batteries	20 pcs 12V 4.5Ah (inter	nal battery version only)			V/A	·	
ternal batteries uilt in max. Charge Current	20 pcs 12V 4.5Ah (inter	nal battery version only)	[5A	esent	V/A	Batteries)**	
iternal batteries uilt in max. Charge Current old Start	20 pcs 12V 4.5Ah (inter	nal battery version only)	[5A		V/A	·	
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