## inform

## Modulera Series

On-Line "Double Conversion" Modular UPS System 3 phase in / 3phase out 60kVA - 100kVA – 200kVA

- Hot Swappable Decentralized Parallel Architecture
- DSP ( Digital Signal Processor ) Controlled Technology
- Modular N+X Parallel Redundancy
- ▶ Plug & Play Type Hot Swappable Power Modules
- Cold Start Function
- Parallel connection availability of UPS Frames up to 4pcs
- ▶ Wide Input Voltage Window (208Vac ~ 478Vac )
- ▶ Wide input frequency range ( 40Hz 70Hz )
- High Overall Efficiency ( up to 94% )
- Increased Output Power Factor ( 0.9 )
- Unity Input Power Factor (0.99)
- Low Input Total Harmonic Distortion Level (THDi down to 3 %)
- Fit into standard 19" Rack Cabinet
- ► Touch-screen LCD display for user's friendly operation
- EPO (Emergency Power Off)
- Smart Fan Speed Control
- Common Battery Operation for parallel Frames
- > Temperature Controlled Battery Charging (optional)
- Programmable Battery Voltage (32/34/36/38/40 blocks of 12V Batteries)
- > Three Level Battery Charge system with smart charge current adjustment
- Powerful charger built in each Modular UPS Power Module
- Equip with Maintenance Bypass Switch for easy maintenance
- RS232 & 485 Ports as standard communication
- Megatec/Mod Bus protocol supported
- Optional Communication Interfaces (SNMP Card or DRY contact board)











MODEL		MDL 3300-60K	MDL 3300-100K	MDL 3300-200K
Frame Capacity		20kVA (18kW) to 60kVA (54kW)	20kVA (18kW) to 100kVA (90kW)	20kVA (18kW) to 200kVA (180kW)
/IDL Module Capaci	ty	·	20KVA/18KW	I
NPUT				
hase			3 Phase + Neutral + Ground	
Rated Voltage		380 / 400 / 415Vac		
Voltage Range		208 - 478Vac		
Frequency range		40Hz - 70Hz		
Power Factor		≥ 0.99		
Current THDi		down to 3% Present		
Generator Input			Present	
DUTPUT				
Phase		3 Phase + Neutral + Ground		
Rated Voltage		380/400/415Vac		
Power Factor		0,9		
Voltage Regulation			±1%	
Frequency	Utility Mode	±1%, ±2%, ±4%, ±5%, ±10% of the rated frequency(optional)		
	Battery Mode		(50/60 ±%0.2)Hz	
Crest Factor		3:1		
THDv		≤2% with linear load		
Waveform		Pure Sinewave		
		100% - 110%: 60min,110% - 125%: 10min, 125% - 150%: 1min,		
	AC Mode	≥I50%: immediately transfers to bypass		
Over Load		100% - 110%: 60min,110% - 125%: 10min, 125% - 150%: 1min,		
	Bat. Mode	≥150% immediately shutdown		
	Bypacs Mode	≥i50%: immediately shutdown Breaker (40Amp)		
Bypass Mode				
AC-AC Efficiency		Up to 94% 97%		
co-Mode Efficiency			97%	
BATTERY				
Туре		Maintenance-free lead acid batteries		
Quantity (12V VRLA batteries)		Configurable to 32/34/36/38/40 pcs per string		
Voltage (I2V VRLA batteries)		384/408/432V/456V/480V DC		
	Frame	18A Max. (charge current can be set ac-	30A Max. (charge current can be set ac-	60A Max. (charge current can be se according to battery capacity installe
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