

The Shield M10U provides you with a reliable, scalable, highly efficient UPS solution. Available in both rack mount and tower chassis, the M10U is the ideal option for critical power conditioning and backup solutions.

Consuming as little as 2U of space per 10KVA/10KW power module, this unitary power factor UPS delivers clean power to keep your systems running uninterrupted. The 7" full color touch LCD along with remote monitoring features gives you full control over your UPS.



- Unity power factor gives you more real power. The UPSs high energy efficiency reduces both power and cooling needs hence offering a lower operating expenditure.
- 10KVA/10KW in 2U gives you more power in less density resulting in an unprecedented low footprint.
- The M10U flexible configurations allows for 3:3, 3:1 and 1:1 phase in:out without derating.
- True hot-swap modular design enables replacement on power modules in less than a minute with no downtime.
- Each power module has its own status LED which helps in quicker trouble shooting.
- 7" touch, color LCD provides a good user interface for control and analysis.
- The intelligent sleep function can allow automatic shutdown and shuffle of power modules to increase efficiency further.
- The rack modular design allows for easy installation in a standard 19" rack.
- Along with the UPSs smart charging capability to increase the life of your batteries, an extra charger module can also be added in case of larger run-times.
- Shield network monitoring system enables the UPS to be monitored remotely. Various alerts and traps can be set on a range of events.
- Shield ensures in-depth technician training globally which increases service response and reduces downtime for your critical systems.
- Plan for both internal and N+1 redundancy. The UPS can easily be integrated with another unit to provide N+1-4 redundancy.

## Specification sheet

System model	C60M10U	C40M10U	C30M10U	C20M10U
System capacity	60KVA/60KW	40KVA/40KW	30KVA/30KW	20KVA/20KW
Power module capacity	10KVA/10KW			
<b>Mains</b>				
Input type	3P+N+PE			
Input voltage	380/400/415VAC (line-line)			
Input frequency	50/60Hz			
Input voltage range	304~478Vac (line-line),full load; 228V~304Vac (line-line),derate from 75% to 100% load			
Input frequency range	40Hz~70Hz			
Input PF	>0.99			
Input THDi	<4% (100% Linear load)			
<b>Output</b>				
Output voltage	3 phase: 380/400/415V 1 phase: 220/230/240V			
Voltage regulation	1.5%			
Output frequency	50/60Hz			
Output PF	1			
Output THDu	THD<1% (linear load) , THD<5.5% (non-linear load)			
Inverter overload	<110%,1 hour; 110%~125%,10 mins; 125%~150%,1min; >150%, 200ms			
Crest factor	3:1			
<b>Battery</b>				
Voltage	±240VDC			
Charging accuracy	1%			
Charging capacity	up to 20% * Output Power			
Battery cold start	Yes			
<b>Efficiency</b>				
AC mode	Normal mode >96.0%; ECO mode:98%			
Battery mode	>95.5%			
<b>System</b>				
Display	LED + LCD + Touch Screen			
Interface	RS232, RS485, Programmable Dry Contact			
Option	SNMP Card, Parallel,SPD			
<b>Environment</b>				
Operation temperature	0 ~ 40 °C			
Storage temperature	-20 ~70 °C			
Relative humidity	0 ~ 95% Non Condensing			
Noise (1 meter)	56dB @ 50% load (1 meter away)			
<b>Physical data</b>				
Module dimension	436*590*85 (2U)			
Module weight	15.3kg			
Cabinet dimension	485*751*1033	485*697*575	485*751*575	485*697*398
Cabinet weight	85kg	51kg	55kg	42kg