

# Three Phase On-Line UPS

**PLUS II - PRO 10KVA ~ 200KVA**

## ▶ Features:

- ▶ Advanced technology DSP, IGBT components.
- ▶ Wide input range, robust design for harsh environment.
- ▶ Multi-CPU and software / hardware cooperate control.
- ▶ DC start function, can be started without AC.
- ▶ Specifications can be customized.
- ▶ Modular design for easy maintenance and minimize MTTR.
- ▶ Intelligent, safe and unique battery management system.
- ▶ True galvanic isolation design.
- ▶ Variety of accessory.
- ▶ Parallel Operation.



# PLUS II - PRO 10KVA ~ 200KVA

## ► SPECIFICATION:

PHASE	3 Phase Input / 3 Phase Output											
KVA	10	20	30	40	50	60	80	100	120	160	200	
<b>INPUT (RECTIFIER)</b>												
Input Voltage	190V / 208V / 380V / 400V / 415V / 440V / 480V / 600V, 3P 4W or 3P 3W											
Input Range	+/- 20% (> +/- 20% is available upon request)											
Input Frequency	50 / 60 Hz +/- 5Hz											
Power Walk In	0% - 100% : 20 sec											
Efficiency	>98%											
Voltage Regulation	+/- 1%											
<b>BATTERY</b>												
Battery Type / purchase	Maintenance free lead acid batteries / 12V x 29pcs											
Maximum Charge Current A dc (Selectable)	5	10	15	20	25	30	40	50	60	80	120	
Battery Start	Yes, UPS can be started without AC source											
<b>INVERTER</b>												
Output Voltage, Regulation	190V / 208V / 380V / 400V / 415V / 440V / 480V / 600V, 3P 4W or 3P 3W +/- 1%											
Wave Form	Sine Wave											
Output Power Factor	0.8											
Frequency Lock Range	50 / 60 Hz +/- 3Hz											
Output Frequency (Free Running)	50 / 60 Hz +/- 0.1Hz											
Phase Shift Under 100% Unbalance Load	<0.5°											
THD (Linear Load)	<2%											
Overload	< 110%		Continuous									
	110 - 125%		15 minutes									
	125 - 150%		10 minutes									
	> 150%		30 seconds									
Efficiency (100% Load)	93%	93.5%	94%	94.5%	95%							
<b>STATIC SWITCH</b>												
Voltage Range	173-277 VAC (L-N)											
Mains ↔ Inverter	0 ms											
<b>OVERALL CHARACTERISTICS</b>												
Overall Efficiency	91%	91.5%	92%	92.5%	93%							
Maximum Heat Dissipation (Kw)	1.1	1.3	1.9	2.6	3	3.5	4.6	5.4	6.5	8.7	13	
Width x Height x Depth (mm)	550 x 1600 x 800						1100 x 1600 x 800				2200 x 1600 x 800 3300 x 1600 x 800 (400k)	
Weight (Kg, without battery)	270	300	400	480	550	680	820	950	1180	1450	2900	
Audible Noise	< 65 dBA (AT 1 M)						< 67 dBA (AT 1 M)				< 70 dBA (AT 1 M)	
Temperature / Humidity	0-40 degree C ; 32-104 degree F ; 0% - 90% (Non-Condensing)											
Altitude	<1500 M Above Sea Level											
FCC CLASS A, EN50091-1,-2	YES											
Short Circuit Protection	Rectifier, Reserve, and Bypass											
Lightning / EMC Filter	MOV / Input & Output											
Galvanic Isolation	Input & Output true Galvanic isolation											
Indicator & Alarm	LCD, LED, Mimic Display, Buzzer											
Remote Control / Communication Interface	Monitoring 1~99 UPS simultaneously / Dry contact, Rs232, Rs485											

\* Different specifications required are available



### APLUS POWER CORP.

No. 36-3 Nanan Road, Tzu-Tong, Yunlin Hsien, Taiwan, R.O.C.

#### Sale Office

Tel: 886-2-28341269

Fax: 886-2-28341449

<http://www.aplusups.com.tw>

E-mail: [sales@aplusups.com.tw](mailto:sales@aplusups.com.tw)