



# FRONTLINE - LEGACY UPS

HARNESSING POWER THROUGH TECHNOLOGY





## ONLINE UPS WITH ISOLATION

THREE PHASE - SINGLE PHASE

5KVA - 40KVA



LEGACY ONLINE UPS WITH ISOLATION

-  Small Office Networks
-  Data Product Equipments
-  Electro Medical Equipments
-  Industrial PLCs

FRONTLINE - by virtue of two decades of experience in manufacturing and maintenance of power protection equipments, offers best suited power products for every application.

Frontline-Legacy series is a Single Phase output Microprocessor based UPS with Active Power Factor Correction (APFC) at the Input. Inbuilt Galvanic isolation provides critical power protection for wide range of applications, especially IT networks. This series is specially developed for high crest factor loads, responds swiftly for load demands ensuring superior quality of uninterrupted power.

The unit provides high level of reliability with inbuilt static switches ensuring no-break supply to load under any eventuality. Parallel configurations under redundancy modes, doubly enhances reliability.

Frontline just does not believe in only delivering products of leading edge technology. We provide proactive solutions to all power protection needs of our customers, be it sizing and site infrastructure or contingency solutions during emergency needs from our Service points spread all over the country. Our business competence built over years of our experience in this industry helps us to address such points effectively.

## FEATURES

- Capacity 5 - 40KVA
- Microcontroller based
- Wide Input Range
- PWM Technology
- Galvanic Isolation
- Inbuilt Static Switch
- High Efficiency
- Closed loop regulated Sinewave
- SNMP compatibility for Remote monitoring
- LCD Display
- EMI / RFI Filter
- ISO 9001 & ISO 14001 certified company
- Two Decades of Industry experience
- Economically priced

[www.frontlineups.com](http://www.frontlineups.com)

## TECHNICAL SPECIFICATIONS

MODEL / PARAMETER	FSS317K5	FSS3110	FSS3115	FSS3120	FSS3125	FSS3130	FSS3140
CAPACITY	7.5KVA	10KVA	15KVA	20KVA	25KVA	30KVA	40KVA
TOPOLOGY	True ONLINE, Double Conversion UPS system with Isolation						
PRIMARY SUPPLY							
PHASE	3 PHASE with Neutral & Earth (Available with Single phase for 5 TO 15 KVA)						
VOLTAGE	400V +/- 20%						
FREQUENCY	50Hz +/- 5%						
POWER WALKIN	95% in 5secs						
SECONDARY SUPPLY							
DC BUS	192 / 240 / 300 / 360V			360 / 384 / 432 V			
BATTERY TYPE	VRLA / TUBULAR LEAD ACID / LITHIUM						
AC OUTPUT							
PHASE	Single Phase 220V / 3 Wire						
VOLTAGE	220 V +/- 1% (settable between 220 to 240V)						
FREQUENCY	50Hz +/- 0.5% (Free running)						
WAVEFORM	Pure Sinewave						
THD	Less than 2% for Linear and less than 5% for non-linear loads						
OVERLOAD	125% for 1Mts, 150% for 1sec						
PROTECTIONS & ALARMS							
STANDARD PROTECTION	I/P & O/P isolated through fuse & contactors						
ELECTRONIC PROTECTION	Over voltage / Over load / short-circuit / Battery low / Over charge						
AUDIBLE ALARMS	Mains Failure / Over Load / Battery Low						
SYSTEM PARAMETER							
EFFICIENCY	Better than 90%						
QUALITY CERTIFICATION	ISO 9001, 14000 ETDC Tested						
COMMUNICATION	RS232 interface for Power Monitoring / SNMP Compatible						
TEMPERATURE	0 ~ 45C (Operating)						
COOLING	Forced Air cooling						
NOISE	48~60dB			53 ~ 65dB		55~65dB	

