



# TransPower Company

Saving Energy and Our Environment

## TECHNICAL SPECIFICATIONS MPTS

Maximum Power Transfer Solution



### Unit Size: 3 Phase -100Amps, 480V

*\*To Be Advised*

Parameters	Units	Typical	Minimum	Maximum
Line to Neutral voltage	Volts	277	260	285
Line to Line voltage	Volts	480	450	493
Line Current	Amps	100	5	100
Line frequency	Hertz	50/60	50	60
Temperature range	°C / °F	(-)10/+14to(+)50/120	(-)10(+)14	(+)50(+)120
Line PF Range	Lag	>0.60	0.50	0.90
Optimized PF Range	Lag	>0.95	0.95	0.99
Dimensions*	Ft.	3.2' X 1.97' X 2.6'		
Estimated Weight*	Lb / Kg.	154 / 70	143 / 65	165 / 75

### Unit Size: 3 Phase -100Amps -208V

*\*To Be Advised*

Parameters	Units	Typical	Minimum	Maximum
Line to Neutral voltage	Volts	120	110	130
Line to Line voltage	Volts	208	200	220
Line Current	Amps	100	10	100
Line frequency	Hertz	50/60	50	60
Temperature range	°C / °F	(-)10/+14to(+)50/120	(-)10(+)14	(+)50(+)120
Line PF Range	Lag	>0.60	0.50	0.90
Optimized PF Range	Lag	>0.95	0.95	0.99
Dimensions*	Ft.	3.2' X 1.97' X 2.6'		
Estimated Weight*	Lb / Kg.	165 / 75	154 / 70	176 / 80

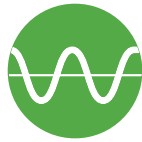
### Unit Size: 3 Phase -225 Amps, 480V

*\*To Be Advised*

Parameters	Units	Typical	Minimum	Maximum
Line to Neutral voltage	Volts	277	260	285
Line to Line voltage	Volts	480	450	493
Line Current	Amps	225	20	225
Line frequency	Hertz	50/60	50	60
Temperature range	°C / °F	(-)10/+14to(+)50/120	(-)10(+)14	(+)50(+)120
Line PF Range	Lag	>0.60	0.50	0.90
Optimized PF Range	Lag	>0.95	0.95	0.99
Dimensions	Ft.	3.2' X 2.29' X 4.93'		
Estimated Weight*	Lb / Kg.	330 / 150	312 / 142	352 / 160

### Unit Size: 3 Phase -225 Amps, 208V

Parameters	Units	Typical	Minimum	Maximum
Line to Neutral voltage	Volts	277	260	285
Line to Line voltage	Volts	480	450	493
Line Current	Amps	225	20	225
Line frequency	Hertz	50/60	50	60
Temperature range	°C / °F	(-)/+14to(+)50/120	(-)10(+)14	(+)50(+)120
Line PF Range	Lag	>0.60	0.50	0.90
Optimized PF Range	Lag	>0.95	0.95	0.99
Dimensions	Inch	3.2' X 2.29' X 4.93'		
Estimated Weight*	Lb / Kg.	352 / 160	341 / 155	374 / 170



# TransPower Company

*Saving Energy and Our Environment*

## DESIGN HIGHLIGHTS

Maximum Power Transfer Solution



- UL/CUL certified device built to high M&W standards.
- Lead wires, Lugs and terminations used are UL certified rated for 125 deg C for additional safety.
- Equip with UL certified overcurrent/surge protective devices and fuses for enhanced equipment safety and reliability. Easy access for inspection/ replacement.
- Enclosure internal structure designed for optimal ventilation with forced air ventilation optimizes equipment longevity through regulated heat dissipation.
- Thermal switches installed at strategic locations for enhanced thermal protection to ensure a complete fail safe operation in case blocked/obstructed ventilation.
- Permanently mounted surge protective device ensures system being fed with Nominal voltage and MCB protects from Overcurrent.
- High quality durable steel enclosure with powder coating to withstand harsh environment.
- Hinged enclosure panels for easy inspection and maintenance.
- RC network Caps are internal fault protected with dry metallized film for enhanced performance, longevity and safety.
- Current transformers, potential transformers and all similar critical devices internally used are UL certified for safety under instrument transformers and general purpose transformers respectively
- Electronics are powered by energy limiting transformers.
- Uninterruptable operation except under over current
- Versatile and informative Energy meter displays all important parameters.
- Additional Operation security and safety with key switch –easy to verify MPTS performance.

