אל פסק מסדרת Hi-Top 33

אל פסק און ליין אמיתי בטכנולוגית המרה כפולה
כניסה תלת פאזית ויציאה תלת פאזית
10-200KVA

- און ליין אמיתי בטכנולוגיית המרה כפולה.
- פועל בטכנולוגית IGBT ו- PWM , בקרת מעבד
- Power Factor מוגדל, 0.97<.
- מטען חכם, כולל בקרת טמפרטורה להארכת חיי המצברים.
- רמת עיוות הרמוניות (THD) נמוכה.
- בידוד גלווני ו/או שינויים למתחים שונים (אופציונלי).
- קטן ממדים, תופס שטח ריצפה קטן במיוחד.
- ווסת מהירות מאווררים חכם, פועל על פי העומס הנדרש.
- יכולת עבודה במקביל (אופציונלי).
- עוקף BY PASS ידני ואוטומטי.
- יכולת התאמה של מארזי מצברים שונים לצורך התאמת זמני הגיבוי.
- אלגוריתם חכם במעבד שליטה, לשיפור האמינות והביצועים הטכניים.
- תצוגת LCD, קבלת מגוון נתונים למשתמש ויכולת שינוי פרמטרים.
- תקשורת מתקדמת ע"י RS 232 ומגעים יבשים.
- כולל תוכנת ניהול לכל סוגי מערכות ההפעלה ותמיכת SNMP (אופציונלי).
- מסנן 12 פולסים ו –THCDL (אופציונלי)

10, HAMELACHA ST., ROSH-HA'AYIN 48091 ISRAEL FAX: 972-3-9027444 :פקס TEL: 972-3-9000900 :טל 48091 המלאכה 10, פארק תעשיות אפק, ראש-העין

SPECIFICATIONS

Model	HT 33010	HT 33015	HT 33020	HT 33030	HT 33040	HT 33060	HT 33080	HT 33100	HT 33120	HT 33160	HT 33200
Output power Kva	10	15	20	30	40	60	80	100	120	160	200
UPS Technology	ON LINE double conversion										
Nonminal output power (cos Ø0,8) KVA	10	15	20	30	40	60	80	100	120	160	200
Nonminal output power (cos Ø1) KVA	8	12	16	24	32	48	64	80	96	128	16
Efficiency (AC÷AC)-%	>90%										
Heat dissipation at nominal load and voltage –KW	0.79	1.18	1.6	1.8	2.4	3.6	4.8	6	7.2	10	12
- Kcal (x1000)	0.68	1.02	1.4	1.55	2.07	3.1	4.1	5.2	6.2	8.7	10.3
- BTU (x1000)	2.7	4.05	5.4	6.16	8.2	12.3	16.4	20.5	24.7	32.5	41
UPS ambient temperature -°C	0-40										
UPS storage temperture -°C	-10 / +70										
Relative humidity (non condensing)	0-90%										
Overload protection	100% -125% load 10 min 125% -150% load 1 min >150% load by-pass										
Altitude	<1000mt (above sea level)										
Ventilation	Forced										
Standart autonomy time at nominal load	On request										
Protection degree	IP 20										
Immunity	According to "EN 50091-2"										
Accessibility	Front andtop access for service										
Installation	20 cm from wall										
Input/output cable connection	Bottom side										
Transport mechanical stress	According to "EN 50091-1"										
Design standard	According to "EN 50091-1"										
Free contact interface	Standard, enlargable										
Serial communication interface	RS232-RS485										
Parallel configuration	Yes, on request										
Power factor	0.8 lagging										
Input – Voltage	380V / 400V / 415V 3 Phase										
Input – Tolerance	±15%										
Input – Frequency	50 / 60Hz (45 to 65Hz)										
Input – Tolerance	±10%										
Input – Power KVA	10	15	20	30	40	60	80	100	120	160	200
Input – Nominal Input Voltage	230/400 VAC phase + N, +/- 15%										
Input – Input freqency-Hz	50Hz +/- 5Hz										
Input – Input Power factor	0.8										
Input – DC Output voltage accuracy	+/-1%										
Input – DC output voltage ripple	1% rms										
Input – Battery recharging characteristics	IU (DIN 41773)										
Input – Maximum recharging current (at nom.load)-A	4.5		10		20		25		30		40
Input – Rectifier bridge type	There-phase 6 pluse rectifier (12 pluse on request)										
Input – Input protrction	Fast fuses										

Input	Nominal current absorbed from ,mains (At nominal load and battary charge)-A	16.9	23.6	30.2	44.4	58	84.4	110.7	137	165.2	133	290
	Maximum current absorbed from ,mains (At nom.load and 39.4max. with minimum line voltage recharging current)-A	24.1	31.6	39.4	58.4	73.8	104.4	135.1	167.2	200.6	272	341
	Input current THD with 12 pulse (At nominal load)	<5%										
Output	Inverter bridge	IGBT (high frequency comm.)										
	Nominal output power (Cos Ø 0,8)	10	15	20	30	40	60	80	100	120	160	200
	Nominal output power (Cos Ø 1)	8	12	16	24	32	48	64	80	96	128	160
	Nominal output voltage – Vac	230 / 400 VAC 3 phase, N										
	Output voltage stability - static (balanced load) - static (unalanced load) -dynamic (step load 0÷100%÷0) - output vol.recovery time(afterstep load)	+/-1% +/-1% +/-5% with in 35 ms										
	Phase angle - Balance load - 100% unbalanced load	+/- 1 degree +/- 1 degree										
	Output frequency -Hz	50 Hz										
	Output frequency stability - free running quarts oscillator - inverter sync. With mains	+/- 1,2% +/- 1%										
	Nominal output current –A - Cos Ø 0,8	15	22.5	30	45	61	91	121	150	181	240	300
	- Cos Ø 1	12	18	24	36	48.8	72.8	96.8	121	145	192	240
	Overload capability	125% for 10 min, 150% for 1 min										
	Short circuit characteristic	Electronic short circuit protection										
	Output waveform	Sinusoidal										
	Output harmonic distortion - linear load - non linear load (75% NP and CF 3:1)	<3% <5%										
	Crest factor (non linear load 75% PN)	3:1										
	Voltage*	380V / 400V / 415V 3 Phase										
	Tolerance (static condition)	±1%										
	Tolerance (dynamic condition)	±5%										
	Harmonic distortion rate on linear load	<3%										

Output	Harmonic distortion rate on non linear load	<5%										
	Crest factor	3										
	Frequency	50 or 60 Hz										
	Freqency tolerance	±0.2%										
	Overload 100%-125% load 125%-150% load											
		10min										
		1min										
	Overall efficiency	90%										
By Pass	Nominal voltage –V	230 / 400 VAC 3 phase, N (lower and upper limit are adjustable)										
	Nominal Frequency – Hz	50 +/- 5										
	Transfer inverter ÷ static By pass	In case of: overload -inverter failure 50 +/-5 -Output low - Output high - Overtemperature										
	Retransfer static By pass ÷ inverter	Automatic or manual (selectable)										
	Overload capability	150 – 200% continuously										
	Manual By pass	With electric security and without interruption for maintenance										
Battery	Type	Sealed-vented lead acid										
	Number of cells	180										192
	Floating voltage at 25°C – V (2,25v/cell)	405										432
	Minimum discharge voltage- V (1,67v/cell)	300										320
	Power requested by inverter (at nominal load)-KW	8.4	12.6	16.8	25.2	33.6	50.4	67.2	84	100.8	133	168
	Curr.req. by inverter (nominal load-minimum Vdc) – A	28	42	56	84	112	168	224	280	336	440	525
	Battery protection	Wall mounted circuit breaker + fuse										
	Battery test	Automatic and manual										
Communication	Interface	RS232 and dry contact, standard and isolated according EN60950										
Physical	Weight without battery (kg)	240	255	270	285	490	570	600	750	810	970	1170
	Dimensions (mm) WxDxH	490X680X1200				550X800X1400		700X 800X 1450	1100X800X1650			
Environment	Audible noise	<55dBA					<60dBA		63 to 66dBA			
	Operating temperature	0-40°C										
	Relative humidity (non condensing)	0-95%										
	Standards	EN 50091-1 (safty), EN 50091-2 (EMC), IEC 62040-3 (class VFI), IP20										
Options		Battery cabinet, parallel kit, SNMP kit, sparated mains input, remot control panel, filters, 12 pulse rectifier, THCDL, additional battery charger, battery protection, temperature compensation, tele-maintenance, modem, RS485, eco-mode										

** 230V or 480V three phase input and output special applications are available. Please consult us.*
Specifications subject to change without notice.