## **Bidirectional Battery-Tester**

Type BRTS-DC-3867

Continuous transfer from mains supply to energy recovery up to 500 kW

Database system for data acquisition

**Client-Server-Tool** 

Fast 480-channel data logger (option)

Battery safety device (BSD)

High dynamic (transient time < 3msec)

Low ripple < 0.5 %

**Electrical isolation** 

Low mains feed back through P.F.C-

Output load up to 600 A every channel

(paralleling up to 2 channels)

Intelligent monitoring functions

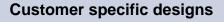
Autark system with redundant supervision

Programmable limits for V, A, kW

Output voltage up to 600 V

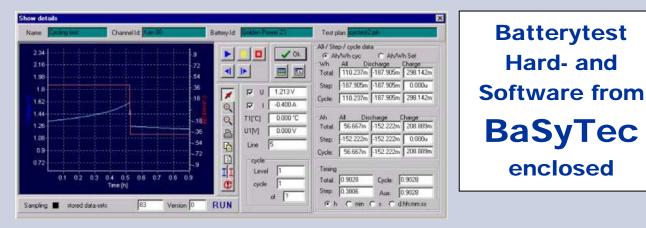
**Robust construction for test fields** 

**Natural cooling** 



Select test Prev Desa line           La Expot 2 Excel	Hot + Latery Balance Hermity Chair One and District House   Says Latery Hermity Chair Seat Balazzoni House   Interplay Latery Hermity Chair Seat Balazzoni House   Interplay Memory Chair Seat Balazzoni House Seat   Interplay Memory Chair Seat Seat Seat Seat   Interplay Memory Chair Seat S					St Field ( UV) St Field ( Transfer Q, 2m		A ANNA A A					
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0	.0001	.000		1.3610	.7001	.0000	.0000	.0000	.0000	.0000			
1	.0002	.000		1.3877	.7001	.0001	.0001	.0000	.0001	0001	.3001	.0000	.0
2	.0001	.000		1.3939	.7002	.0002	.0002	.0000	.0002	0002	3002		
3	.0004	.000		1.2991	.7001	.0003	.0003	.0000	.0003	.0003	.3003		
4	002	.000		1.4044	.7001	.0003	.0003	.0000	.0003	0003			
5	.0007	.000		1.4096	.7001	.0005	.0005	.0000	.0005	0005			
6	.0031	.003	.000	1.4148	.7000	.0021	.0021	.0000	.0021	0021	.9021	.0000	
7	.0051	.005	.005	1.4201	.7000	.0036	.0036	.0000	.0006	0006			
	9071	.007		1.4252	7000	.0049	.0049	.0000	0049	0049			
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10	008	.000	0065	1.4287	7000	0059	.0059	.0000	0000	0059			
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10	0.000	.019		1.4750	.7000	0192	.0192	0000	.0120	0192			
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	Ð	incert 2	ine 📑 Delete line	1	(5) Registrat	ion-Format		
95	Level	Lobel	Command	Ferenater	Termination	Action	Fiequitelion	Command
t			Start		Teell1>64°C	Goto Error		Overtemperature pratection
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3	0		Cycle-start		Uct.ev	Gata READY		Main cycle
4			Discharge	1-600mA	Ab30.1CN		t-2min	Discharge 18N
5.	5		Cycle-start					Seb cycle
•	0		@rl_test	11-100mA 12-600mA				OC Ri Test
7	U		Cycle-end	Count-5				
•	U		Cycle-end	Count-18				
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10		ERROR	Shep					



## **GK GUSTAV KLEIN POWER SUPPLIES - since 1948**

The high dynamic 2 quadrant rectifier is particularly developed for the comprehensive performance evaluation by electrical motors for vehicles.

Due to our modern control with PWM-rectifier (IGBT) we achieve a very good rule dynamic over the complete power range.

Extensively configurable interfaces make the integrations in different system environments possible.

Rated capacity:	kW	up to 500 kW			
Rectifier construction:		IGBT, PWM, galvanic isolated ( $\lambda > 0,98$ )			
Input voltage:	V	230/400, 3-phase, N, PE			
Input frequency:	Hz	50 (60) ± 5%			
Output voltage (adjustable)	V	up to 1000			
Output current:	А	6 to 600			
Voltage regulation static	%	± 0.05 (fs)			
Ripple:	%	< 0.5 rms (fs)			
Current rise time:	msec	< 3			
Short-circuit characteristic:		short-circuit proof			
EMC:		according to EN 61000-6-4, EN 61000-6-2			
Acoustic noise level:	dB(A)	50 – 70			
Cooling:		"AF" forced air cooling			
Overall efficiency at nominal load:	%	typical >94% at 220V DC			
Permissible ambient temperature:	°C	0 to + 40			
Permissible climate:		moderate climate according to 3K3, EN60721			
Permissible operating altitude:		1000 m above m.s.l.			
Cabinet dimensions:	mm	on demand			
Protection class:		IP 20 according to EN60529			
Paint finish:		RAL 7035			
Monitoring (configurable)		AC-under voltage with switch off DC-over- and under voltage Current limiting Temperature control			
Display / operation:		Digital measurement system LC-Display 4-lines Incremental control Intuitive menu navigation Optional: Operation terminal (CAN – Bus)			
Remote signal (configurable floating contacts)		On (clearance controller) Operation / Failure Emergency stop			
Options:		http, Ethernet, EtherCAT, TFT-Display			

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subject to change without notification

D-86956 **Schongau** Im Forchet 3 D-86952 Schongau, Postfach 12 48 Tel. (08861) 209-0, Fax (08861) 209-180



A-6401 **Inzing/**Tirol, Schießstand 2 Tel. (05238) 5 42 09-0 Fax (05238) 54209-23

E-Mail: vertrieb@gustav-klein.com Internet:www.gustav-klein.com