

NO	Voc (V)	Isc (A)	Pmax (W)	Vm (V)	Im (A)	FF (%)	n (%)
21192913123	45.291	5.157	182.807	38.276	4.776	78.3	17.1
21193413087	45.325	5.291	188.533	36.566	5.156	78.6	16.8
21193013086	45.333	5.233	183.675	37.961	4.838	77.4	17.1
21193113086	45.333	5.188	187.223	37.861	4.945	79.6	17.5
21193113080	45.339	5.219	181.299	38.071	4.762	76.6	16.9
21193113129	45.345	5.159	178.982	39.44	4.538	76.5	16.7
21193113077	45.347	5.176	183.011	37.944	4.823	78	17.1
21193113079	45.356	5.206	187.649	37.734	4.973	79.5	17.5
21193013059	45.368	5.239	188.752	37.723	5.004	79.4	17.6
21193113083	45.37	5.131	182.949	37.82	4.837	78.6	17.1
21193413080	45.373	5.397	187.026	36.942	5.063	76.4	16.6
21192913075	45.375	5.123	178.51	38.738	4.608	76.8	16.7
21193113085	45.375	5.255	187.103	37.988	4.925	78.5	17.5
21193113121	45.381	5.203	187.472	37.57	4.99	79.4	17.5
21193113078	45.385	5.194	186.369	37.731	4.939	79.1	17.4
21193013062	45.39	5.261	188.551	37.468	5.032	79	17.6
21192913079	45.391	5.255	184.879	37.957	4.871	77.5	17.3
21192913073	45.393	5.267	188.277	37.643	5.002	78.7	17.6
21193113017	45.394	5.231	178.155	38.497	4.628	75	16.6
21193113109	45.396	5.197	183.342	37.795	4.851	77.7	17.1
21193113026	45.396	5.196	185.678	37.745	4.919	78.7	17.3
21192913074	45.399	5.24	186.126	37.775	4.927	78.2	17.4
21193413085	45.4	5.415	186.516	37.022	5.038	75.9	16.6
21193413025	45.401	5.429	187.652	36.81	5.098	76.1	16.7
21193413069	45.403	5.451	185.703	36.579	5.077	75	16.5
21192913111	45.408	5.256	186.835	37.835	4.938	78.3	17.4
21193113025	45.41	5.321	185.312	37.721	4.913	76.7	17.3
21193413086	45.411	5.213	187.415	36.574	5.124	79.2	16.7
21193413084	45.416	5.448	185.657	36.47	5.091	75	16.5
21193413014	45.42	5.391	187.082	37.056	5.049	76.4	16.6
21193413023	45.421	5.3	187.806	36.644	5.125	78	16.7
21193413070	45.423	5.471	186.513	36.661	5.087	75.1	16.6
21192913069	45.425	5.202	178.834	38.986	4.587	75.7	16.7
21193413024	45.428	5.244	186.75	36.518	5.114	78.4	16.6
21193113082	45.432	5.219	187.866	37.97	4.948	79.2	17.5
21193013097	45.44	5.156	185.953	37.806	4.919	79.4	17.4
21192913072	45.441	5.268	186.668	37.89	4.927	78	17.4
21193113108	45.443	5.196	182.209	37.992	4.796	77.2	17
21192913081	45.444	5.221	184.852	37.884	4.879	77.9	17.2
21193113061	45.446	5.213	178.629	38.298	4.664	75.4	16.7
21193113060	45.448	5.177	186.319	37.597	4.956	79.2	17.4
21193113018	45.45	5.068	180.803	37.925	4.767	78.5	16.9
21193213060	45.452	5.028	180.967	37.706	4.799	79.2	16.9
21192913080	45.452	5.262	187.924	37.663	4.99	78.6	17.5
21193013095	45.453	5.174	181.781	37.586	4.836	77.3	17
21193013099	45.455	5.213	184.734	37.879	4.877	78	17.2
21193113119	45.456	5.25	185.968	37.813	4.918	77.9	17.4
21193113125	45.458	5.184	184.779	37.831	4.884	78.4	17.2
21192913029	45.459	5.222	185.329	37.991	4.878	78.1	17.3
21193013029	45.459	5.375	185.529	36.808	5.04	75.9	17.3
21192913070	45.461	5.176	187.882	37.627	4.993	79.8	17.5

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21193013094	45.464	5.142	186.997	37.797	4.947	80	17.4
21192913115	45.464	5.263	187.838	37.765	4.974	78.5	17.5
21193113031	45.465	5.201	184.119	38.223	4.817	77.9	17.2
21193113107	45.465	5.163	184.473	38.198	4.829	78.6	17.2
21192913076	45.465	5.229	186.597	37.871	4.927	78.5	17.4
21193113023	45.465	5.193	186.719	37.772	4.943	79.1	17.4
21193013087	45.468	5.224	181.369	38.226	4.871	76.6	17
21193113037	45.467	5.214	181.327	38.198	4.747	76.5	16.9
21193113014	45.467	5.206	185.16	37.901	4.885	78.2	17.3
21192913030	45.467	5.285	188.384	37.664	5.002	78.4	17.6
21193413020	45.468	5.451	187.435	36.93	5.075	75.6	16.7
21193013093	45.471	5.212	180.598	38.578	4.681	76.2	16.9
21193413019	45.476	5.42	187.051	37.006	5.055	75.9	16.6
21192913122	45.477	5.23	184.802	37.869	4.88	77.7	17.2
21192913114	45.48	5.256	186.99	37.91	4.932	78.2	17.4
21193113033	45.481	5.181	184.504	38.007	4.854	78.3	17.2
21193213116	45.482	5.375	187.362	36.888	5.079	76.6	17.5
21193113034	45.485	5.07	181.796	38.278	4.749	78.8	17
21193413089	45.486	5.474	186.725	36.819	5.071	75	16.6
21193113032	45.487	5.201	186.865	37.638	4.965	79	17.4
21193213063	45.487	5.357	187.12	36.79	5.086	76.8	17.5
21193013101	45.487	5.266	187.431	37.984	4.934	78.2	17.5
21193013151	45.488	5.304	178.886	38.216	4.681	74.1	16.7
21193013150	45.489	5.187	188.959	37.598	5.026	80.1	17.6
21193113127	45.491	5.177	185.461	37.806	4.906	78.7	17.3
21193113036	45.494	5.178	185.445	37.977	4.883	78.7	17.3
21192913028	45.494	5.242	189.107	37.617	5.027	79.3	17.6
21192913027	45.496	5.244	182.482	38.342	4.759	76.5	17
21193013100	45.497	5.214	186.602	37.859	4.929	78.7	17.4
21193413083	45.498	5.455	186.658	36.845	5.066	75.2	16.6
21193013103	45.499	5.268	185.591	38.135	4.867	77.4	17.3
21193013051	45.5	5.223	186.448	37.95	4.913	78.5	17.4
21193013109	45.5	5.201	187.204	37.771	4.956	79.1	17.5
21193013090	45.501	5.23	179.807	38.441	4.677	75.6	16.8
21193113027	45.501	5.237	183.949	38.201	4.815	77.2	17.2
21193113120	45.501	5.271	187.507	37.802	4.96	78.2	17.5
21193113020	45.501	5.253	187.638	37.815	4.962	78.5	17.5
21193013162	45.502	5.139	185.751	38.13	4.872	79.4	17.3
21193013111	45.502	5.253	188.916	37.755	5.004	79	17.6
21192913031	45.503	5.224	186.217	37.925	4.91	78.3	17.4
21193413021	45.504	5.39	187.281	36.94	5.07	76.4	16.6
21192913112	45.504	5.267	187.817	37.773	4.972	78.4	17.5
21193413061	45.506	5.253	179.589	38.985	4.607	75.1	16.8
21192913068	45.507	5.24	182.186	38.382	4.747	76.4	17
21193113064	45.507	5.243	182.522	38.331	4.762	76.5	17
21193113118	45.507	5.19	185.463	37.85	4.9	78.5	17.3
21193013108	45.508	5.239	186.007	38.125	4.879	78	17.4
21193013096	45.508	5.206	186.151	37.965	4.903	78.6	17.4
21193013088	45.509	5.232	181.989	38.05	4.783	76.4	17
21192913078	45.509	5.231	189.502	37.571	5.044	79.6	17.7
21193013117	45.51	5.196	178.473	37.061	4.816	75.5	16.7
21193113059	45.51	5.215	182.496	38.653	4.721	76.9	17

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21193013089	45.512	5.233	181.23	38.376	4.722	76.1	16.9
21193013041	45.512	5.147	183.276	37.885	4.838	78.2	17.1
21193113110	45.512	5.217	186.204	37.986	4.902	78.4	17.4
21193413093	45.512	5.457	186.248	36.629	5.085	75	16.6
21193413060	45.513	5.108	180.434	38.107	4.735	77.6	16.8
21193113067	45.513	5.248	185.519	38.059	4.875	77.7	17.3
21193413017	45.513	5.361	187.309	37.099	5.049	76.8	16.6
21193113135	45.514	5.193	185.455	37.925	4.89	78.5	17.3
21193413028	45.515	5.234	186.652	37.873	4.928	78.3	17.4
21193113024	45.515	5.234	188.419	37.622	5.008	79.1	17.6
21193113062	45.516	5.256	187.83	37.761	4.974	78.5	17.5
21193013116	45.517	5.2	183.865	38.194	4.814	77.7	17.2
21193013119	45.517	5.246	185.239	38.389	4.825	77.6	17.3
21193013147	45.517	5.292	186.16	37.851	4.918	77.3	17.4
21193013105	45.52	5.257	184.147	38.363	4.8	77	17.2
21193113073	45.52	5.252	184.703	38.448	4.804	77.3	17.2
21193213105	45.52	5.191	186.112	37.889	4.912	78.8	17.4
21193013023	45.52	5.191	186.112	37.889	4.912	78.8	17.4
21193413098	45.522	5.26	185.652	37.685	4.926	77.5	17.3
21193113116	45.523	5.243	187.206	37.977	4.929	78.4	17.5
21193113063	45.525	5.22	183.635	38.116	4.818	77.3	17.1
21193013044	45.525	5.143	186.861	37.785	4.945	79.8	17.4
21193013104	45.525	5.213	187.187	38.026	4.923	78.9	17.5
21192913077	45.525	5.218	188.073	37.625	4.999	79.2	17.5
21193113112	45.528	5.133	184.344	37.976	4.854	78.9	17.2
21193213101	45.528	5.169	185.119	37.917	4.882	78.7	17.3
21193413015	45.528	5.421	186.745	36.954	5.053	75.7	16.6
21193013160	45.528	5.277	187.292	38.065	4.92	78	17.5
21193013154	45.529	5.238	184.716	38.24	4.83	77.5	17.2
21193113022	45.529	5.113	187.125	37.989	4.926	80.4	17.5
21193013157	45.529	5.142	189.087	37.689	5.017	80.8	17.6
21193413026	45.53	5.263	184.656	36.717	5.029	77.1	16.4
21193013122	45.53	5.225	185.187	38.015	4.871	77.8	17.3
21193113058	45.531	5.189	184.554	37.749	4.889	78.1	17.2
21193413039	45.531	5.189	186.457	38.016	4.905	78.9	17.4
21193113065	45.531	5.191	186.643	37.799	4.938	79	17.4
21193113021	45.533	5.223	182.27	38.477	4.737	76.6	17
21193413030	45.533	5.25	186.501	38.149	4.889	78	17.4
21193413042	45.534	5.469	187.032	36.623	5.107	75.1	16.6
21193113131	45.535	5.212	186.407	37.898	4.919	78.5	17.4
21193113076	45.535	5.195	187.591	37.965	4.941	79.3	17.5
21193113132	45.537	5.232	178.39	38.428	4.642	74.9	16.6
21193413043	45.537	5.234	183.405	37.768	4.856	76.9	17.1
21193113122	45.538	5.196	185.074	38.023	4.867	78.2	17.3
21193113019	45.538	5.189	185.595	37.7	4.923	78.5	17.3
21193113071	45.538	5.216	187.821	37.955	4.949	79.1	17.5
21193113068	45.538	5.249	187.956	37.683	4.988	78.6	17.5
21193113029	45.539	5.238	185.941	37.92	4.903	78	17.4
21193013042	45.54	5.225	187.27	37.675	4.971	78.7	17.5
21193013040	45.542	5.241	186.437	37.872	4.923	78.1	17.4
21193413097	45.543	5.215	185.86	37.884	4.906	78.3	17.3
21193413034	45.543	5.182	186.797	38.136	4.898	79.1	17.4

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21193013148	45.548	5.211	183.738	38.309	4.796	77.4	17.1
21193113114	45.548	5.231	185.176	38.201	4.847	77.7	17.3
21193113115	45.549	5.198	182.073	38.394	4.742	76.9	17
21193113111	45.552	5.151	184.405	38.038	4.848	78.6	17.2
21193213104	45.553	5.192	183.752	37.923	4.845	77.7	17.1
21193413129	45.556	5.063	183.955	37.947	4.848	79.8	17.2
21193113072	45.556	5.19	185.993	38.124	4.879	78.7	17.4
21193113123	45.556	5.247	187.469	37.853	4.953	78.4	17.5
21193013120	45.557	5.269	186.324	37.725	4.939	77.6	17.4
21193113151	45.557	5.213	187.341	37.933	4.939	78.9	17.5
21193013049	45.56	5.235	184.533	38.408	4.805	77.4	17.2
21193413121	45.56	5.165	186.757	37.909	4.926	79.4	17.4
21193213117	45.561	5.221	188.228	37.881	4.969	79.1	17.6
21193413065	45.561	5.213	188.554	37.812	4.987	79.4	17.6
21193113069	45.562	5.234	184.626	38.259	4.826	77.4	17.2
21193413029	45.564	5.218	186.518	37.722	4.945	78.5	17.4
21193413122	45.564	5.218	188.734	37.827	4.989	79.4	17.6
21193013056	45.565	5.214	184.353	38.335	4.809	77.6	17.2
21193113030	45.565	5.209	186.014	38.151	4.876	78.4	17.4
21193413124	45.565	5.225	188.44	37.674	5.002	79.2	17.6
21193113043	45.566	5.262	178.431	39.346	4.535	74.4	16.7
21193213064	45.566	5.196	183.291	38.195	4.799	77.4	17.1
21193013050	45.566	5.243	186.906	37.942	4.926	78.2	17.4
21193213061	45.568	5.286	191.486	37.633	5.088	79.5	17.9
21193013046	45.569	5.231	185.782	38.095	4.877	77.9	17.3
21193113070	45.574	5.167	188.025	38.082	4.937	79.8	17.5
21193013039	45.576	5.194	186.115	37.85	4.917	78.6	17.4
21193413096	45.577	5.201	185.124	38.022	4.869	78.1	17.3
21193213181	45.578	5.405	187.269	37.225	5.031	76	17.5
21193113066	45.579	5.208	186.232	37.872	4.917	78.5	17.4
21193113136	45.58	5.206	184.354	38.128	4.835	77.7	17.2
21193113039	45.582	5.195	185.883	37.976	4.895	78.5	17.3
21193013158	45.588	5.229	187.465	38.008	4.932	78.6	17.5
21193413125	45.59	5.132	186.902	37.704	4.957	79.9	17.4
21193413016	45.59	5.282	187.514	36.935	5.077	77.9	16.7
21193413022	45.592	5.404	186.871	37.125	5.034	75.8	16.6
21193013144	45.594	5.182	183.326	38.229	4.795	77.6	17.1
21193413063	45.594	5.184	187.85	38.023	4.94	79.5	17.5
21193013146	45.594	5.184	187.85	38.023	4.94	79.5	17.5
21193013061	45.595	5.221	188.223	37.871	4.97	79.1	17.6
21193413099	45.598	5.241	187.771	37.753	4.974	78.6	17.5
21193013091	45.599	5.219	189.081	37.649	5.022	79.5	17.6
21193413118	45.6	5.256	187.78	37.728	4.977	78.4	17.5
21193413090	45.602	5.266	187.878	36.974	5.081	78.2	16.7
21193413062	45.612	5.223	188.24	37.723	4.99	79	17.6
21193013152	45.612	5.266	189.242	37.792	5.007	78.8	17.7
21193013155	45.614	5.314	188.172	37.872	4.969	77.6	17.6
21193113134	45.617	5.208	186.337	37.834	4.925	78.4	17.4
21193413119	45.617	5.261	189.769	37.749	5.027	79.1	17.7
21193013057	45.617	5.261	189.769	37.749	5.027	79.1	17.7
21193113126	45.619	5.114	185.516	38.184	4.858	79.5	17.3
21193413088	45.621	5.426	187.248	36.882	5.077	75.6	16.6

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21193413120	45.623	5.196	186.395	37.969	4.909	78.6	17.4
21193013156	45.623	5.305	187.648	37.843	4.959	77.5	17.5
21193413067	45.627	5.19	186.562	37.974	4.913	78.8	17.4
21193013060	45.632	5.297	188.686	37.742	4.999	78.1	17.6
21193413123	45.636	5.237	185.059	37.926	4.879	77.4	17.3
21193113074	45.636	5.249	189.181	38.124	4.962	79	17.7
21193413032	45.637	5.249	187.663	37.838	4.96	78.3	17.5
21193413091	45.638	5.269	186.738	36.919	5.058	77.7	16.6
21193413066	45.645	5.164	188.122	38	4.951	79.8	17.6
21193113138	45.655	5.231	183.37	38.699	4.738	76.8	17.1
21193413071	45.657	5.215	188.532	37.724	4.998	79.2	17.6
21193413041	45.661	5.216	188.014	37.801	4.974	78.9	17.5
21193013145	45.667	5.182	180.268	38.779	4.649	76.2	16.8
21193413018	45.67	5.299	187.806	36.928	5.086	77.6	16.7
21193113084	45.671	5.119	187.537	38.504	4.871	80.2	17.5
21193013043	45.678	5.216	179.765	39.068	4.601	75.5	16
21193113143	45.679	5.178	187.115	38.228	4.895	79.1	17.5
21193113088	45.683	5.164	183.975	38.719	4.752	78	17.2
21193413013	45.684	5.425	187.538	36.997	5.069	75.7	16.7
21193013102	45.69	5.13	187.056	38.056	4.915	79.8	17.5
21193413036	45.697	5.244	187.637	37.969	4.942	78.3	17.5
21193013053	45.697	5.244	187.637	37.969	4.942	78.3	17.5
21193413040	45.703	5.241	189.188	37.822	5.002	79	17.7
21193413068	45.711	5.261	182.883	38.387	4.764	76	17.1
21193413038	45.718	5.255	188.488	37.891	4.974	78.5	17.6
21193413031	45.718	5.275	190.803	37.989	5.023	79.1	17.8
21193413037	45.719	5.219	188.504	38.018	4.958	79	17.6
21193413035	45.722	5.254	188.674	37.877	4.981	78.5	17.6
21193413064	45.727	5.203	189.025	37.937	4.983	79.4	17.6
21193413033	45.735	5.258	189.734	37.846	5.013	78.9	17.7
21192913107	45.783	5.293	188.143	37.322	5.041	77.6	17.6
21193413027	45.83	5.351	189.078	37.039	5.105	77.1	16.8
21193113038	45.831	5.132	184.186	38.819	4.745	78.3	17.2
21193013037	45.842	5.258	187.907	37.172	5.055	78	17.5
21193113028	45.865	5.143	182.784	39.087	4.676	77.5	17.1
21193013159	45.866	5.116	185.859	38.517	4.825	79.2	17.3
21193113124	45.872	5.194	185.733	38.896	4.775	78	17.3
21193013118	45.882	5.137	186.655	38.287	4.875	79.2	17.4
21193113042	45.883	5.161	185.758	38.193	4.864	78.4	17.3
21193113013	45.896	5.103	186.725	38.236	4.883	79.7	17.4
21193013153	45.909	5.137	187.21	38.333	4.884	79.4	17.5
21192813058	46.042	5.314	189.611	37.431	5.066	77.5	17.7
21193113040	46.105	5.19	187.438	38.559	4.861	78.3	17.5
21193413082	46.188	5.368	189.305	37.584	5.037	76.4	16.8
21193413092	46.252	5.394	188.615	37.322	5.054	75.6	16.8

测试人/日期:

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确认人/日期: